

W.C.R.L.  
-4-11-1956

The



# CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JUNE 2 1956

Established 1866

# KIRBY

OF LONDON

for PILLS \* TABLETS \* CAPSULES  
PESSARIES . SUPPOSITORIES . SOLUTION TABLETS  
PENICILLIN PRODUCTS . OINTMENTS FOR THE EYE  
SOFT GLYCERIN LOZENGES . PACKED PHARMACEUTICALS  
STERILE PRODUCTS  
OWN MATERIALS PROCESSED . SPECIAL FORMULÆ PREPARED  
HOME AND EXPORT ENQUIRIES INVITED

List forwarded on application to :—

**H. & T. KIRBY & CO. LTD.**

Pharmaceutical Manufacturers, WILLESDEN GREEN, LONDON, N.W.2  
Phone: Willesden 1146 · Grams: Kirbilim, Norphone, London · Code: Bentleys (2nd)

*Treatment or Prophylaxis of*

# **MOTION SICKNESS**

"Dramamine", Brand of Dymenhydrinate, is an effective non-toxic prophylactic and therapeutic agent for motion sickness. It is also indicated in nausea and vomiting following anaesthesia and in the sickness of pregnancy and allied conditions.



Supplied as tablets of 50 mg. for oral use, in bottles of 12, 36, 100 and 1,000 tablets, and in cartons of 100 tablets (10 strips of 10 tablets).

Retail Price:

12	7s. 6d.
36	15s. od.
100	38s. 3d.
1000	360s. od.

Trade terms 33½% discount.

*Order through your Wholesaler*

**SEARLE**

G. D. SEARLE & CO. LTD.

83, CRAWFORD STREET, LONDON, W.I.



## INTRAVENOUS TUBERCULOTHERAPY

Intravenous sodium PAS infusion for miliary, meningitic and severe forms of tuberculosis is an established technique; some sanatoria now favour I.V. PAS as *first choice* even in moderate cases because of its very high tolerability.

I.V. infusions demand the use of crystalline sodium PAS of first-grade quality, for which purpose 'AMINACYL' (Wander) brand of specially purified crystalline PAS is supplied to sanatoria in bottles of 250 grammes.

**The Wander range of tuberculostatics  
also includes the following oral forms :**

### B-PAS WANDER

Calcium B-PAS (Wander) first introduced by our Research Laboratories in 1948, provides the advantages of high bacteriostatic levels, and excellent acceptability because it is practically tasteless.

**PACKS:**—Powder: Tins of 150 and 500 × 3.5 g. envelopes  
Cachets: Tins of 80 and 400 × 1.0 g.

### 'B-PASINAH' WANDER

For concurrent therapy, 'B-PASINAH' provides 1 g. B-PAS and 25 mg. INAH in convenient Cachet form, packed in tins of 100 and 500.

Full Literature, also details of institutional quantities  
and prices sent on request.

*All Wander tuberculostatic products  
may be obtained from usual pharmacists or direct from*

**A. WANDER LIMITED**  
**42 Upper Grosvenor Street, Grosvenor Square, London W.1**

CANADA: A. Wander Ltd., Peterborough, Ontario. AUSTRALIA: A. Wander Ltd., Devonport, Tasmania. NEW ZEALAND: A. Wander Ltd., Christchurch. INDIA: Khatau Valabhdas & Co., Indian Globe Chambers, Fort Street, Fort, Bombay, 1. PAKISTAN: Grahams Trading Co. (Pakistan) Ltd., P.O. Box 30, Karachi. CEYLON: A. Baur & Co. Ltd., Colombo.



# P.A.S.

‘Rhodia’ Brand  
SODIUM PARA-AMINO  
SALICYLATE

IN ITS PUREST FORM

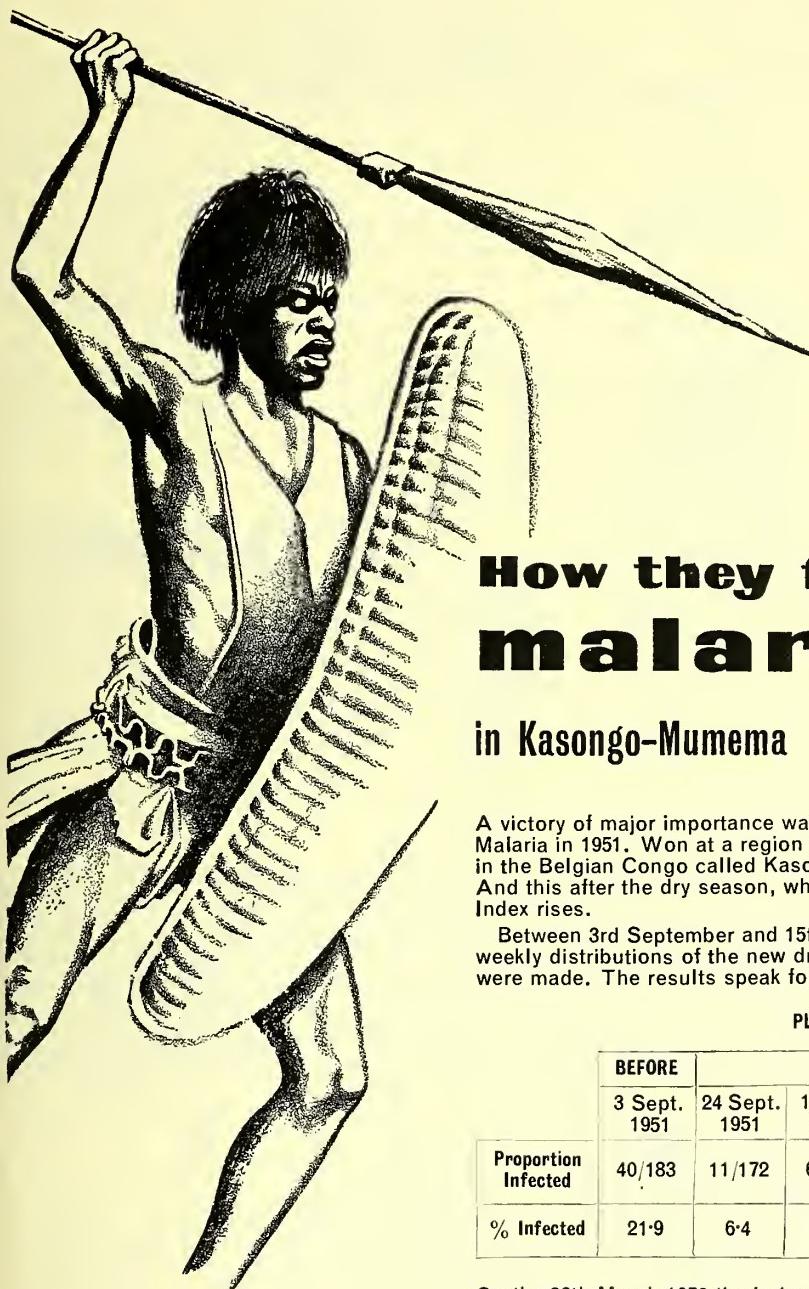
Ask for Sample & Quotation  
from U.K. Distributors:

R. W. GREEFF & Co. Ltd.

GARRARD HOUSE  
31/45 GRESHAM STREET, LONDON, E.C.2

Phone: MONarch 1066

Wires: Greeff · Cent · London



## How they fought malaria

### in Kasongo-Mumema

A victory of major importance was won against Malaria in 1951. Won at a region near Elizabethville in the Belgian Congo called Kasongo-Mumema. And this after the dry season, when the Sporozoite Index rises.

Between 3rd September and 15th December, 1951, weekly distributions of the new drug, 'Daraprim', were made. The results speak for themselves :

PLASMODIAL INDEX

	AFTER					
	3 Sept. 1951	24 Sept. 1951	1 Oct. 1951	22 Oct. 1951	19 Nov. 1951	17 Dec. 1951
Proportion Infected	40/183	11/172	6/170	4/158	2/149	0/161
% Infected	21.9	6.4	3.5	2.5	1.3	Nil

On the 26th March 1952 the Index was still negative.

Evidence of this kind shows the major role that 'Daraprim' can play in suppressing malaria in a community.

**'DARAPRIM'**  
PYRIMETHAMINE BRAND

In the French Union, Tunisia and Morocco pyrimethamine is available under the trade name 'Malocide'.



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

ASSOCIATED HOUSES:

AUCKLAND · BOMBAY · BUENOS AIRES · CAIRO · CAPE TOWN · DUBLIN · KARACHI · MONTREAL · NEW YORK · RIO DE JANEIRO · SYDNEY



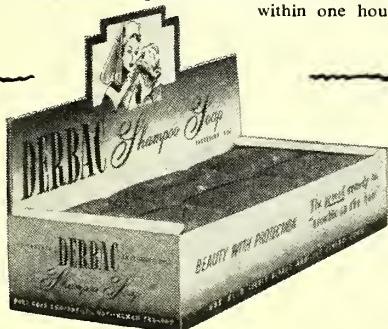
## INDEX TO ADVERTISERS

Addis, Ltd.	59	Distillers Co. (Biochemicals), Ltd., The	16
Agfa, Ltd.	20	'Droxalin'	50
Allen, Stafford & Sons, Ltd.	29	Dyanese, Ltd.	Classified Section
Antigen, Ltd.	36		
Armour Laboratories, The	64	Eastern Counties Preserves (1940), Ltd.	15
Ashwood Timber Industries, Ltd.	60	'Elasto'	22
Beatson, Clark & Co., Ltd.	54	Eucryl, Ltd.	10
Belfast Telegraph	62	Evan Williams Co., Ltd.	26
Bell, John, Hills & Lucas, Ltd.	60	Evans Medical Supplies, Ltd.	Interleaved Edit., 477
Betts & Co., Ltd.	49		
Blyton, Astley & Co., Ltd.	36	Felling Zinc Oxide Co.	54
British Drug Houses, Ltd., The	24	Foyle, W. & G., Ltd.	60
Brown & Polson, Ltd.	42	Furman, B. N. (Productions), Ltd.	52
Brown, Neville, & Co., Ltd.	14, 55		
Burrough, James, Ltd.	4	Geigy Pharmaceutical Co., Ltd.	23
Burroughs Wellcome & Co.	3, 39	Gledhill, G. H., & Sons, Ltd.	40
Bush, W. J., & Co., Ltd.	49	Golden, Ltd.	57
Calmic, Ltd.	22	Greeff, R. W., & Co., Ltd.	2
Carr's Cereal Products, Ltd.	56	Groves, O. R., Ltd.	53
Chappie, Ltd.	34, 35		
Chemapol	44	Halex	18, 19
Church & Co. (Fittings), Ltd.	54	Hamburger, M., & Sons	56
Ciba Laboratories, Ltd.	38	Hanovia, Ltd.	58
Cox, Arthur H., & Co., Ltd.	8	Holborn Supplies, Ltd.	Classified Section
Cussons, Sons & Co., Ltd.	Cover iii	Holloway, E. R., Ltd.	51
Cuxson Gerrard & Co., Ltd.	52	Hosezene Co., Ltd., The	4
Dae Health Laboratories, Ltd.	Cover iv	Hughes, E. Griffiths, Ltd.	11
Daniel, Richard, & Son, Ltd.	13	Hughes, E. Griffiths, Ltd., "Kwells"	64

(continued overleaf)

*you can't afford to miss  
the special  
**Derbac bonus parcels***

Now is the time to stock up on Derbac. Take advantage of the special bonus parcels, offered until 30th June. They give a particularly high margin on returns. Derbac Liquid is a new improved emulsion, as quick, safe, and effective as ever but more pleasant in use. Recognised for over 30 years as the one complete remedy. Derbac clears up the most stubborn infestation within one hour.



*They give over  
37% and 39%  
on returns*

For slight cases recommend DERBAC Soap (containing DDT) now put up in the new 12-tablet Display Box shown alongside DERBAC Combs should be used with all these remedies. There is also DERBAC Medicated Shampoo—simple, safe, pleasant.



*new  
improved  
**DERBAC***

**the proved and pleasant remedy for trouble in the hair**

*Send for display leaflet and order form to*

**ROBERTS WINDSOR SOAP CO. LTD., THE ACRE, WINDSOR, and Victoria Soap Works, Colwick, Nottingham**

## INDEX (cont.)

Illingworth, E., & Co. (Bradford), Ltd.	37
Imperial Chemical Industries, Ltd.	17
Imperial Chemical (Pharmaceuticals), Ltd.	21
Invern & Della Beffa, S.p.A.	56
Jobling, James A., & Co., Ltd.	48
Kay Brothers, Ltd.	24
Kelly, John (London), Ltd.	64
Kemsales, Ltd.	62
Kirby, H. & T., & Co., Ltd.	Front Cover
Laporte Chemicals, Ltd.	26
Lederle Laboratories Division	Leader Page
Life Assurance Brokers, Ltd.	4
Lucozade, Ltd.	12
Marns, Thos., Ltd.	4
Matthews, Stephen, & Co., Ltd.	50
Mawdsley, D., & Co.	8
Medico-Biological Laboratories, Ltd.	25
Menley & James, Ltd.	43
Miller of Golden Square, Ltd.	28
Mining & Chemical Products, Ltd.	58
Orridge & Co.	Classified Section
Pfizer, Ltd.	Interleaved Edit., 478, 66
Philips Electrical, Ltd.	9
Potter & Clarke, Ltd.	31
Radiol Chemicals, Ltd.	27
'Radio Times'	61
Rankin Bros. & Sons	4
Ransom, William, & Son, Ltd.	45
Raymond (Art de Coiffure), Ltd.	36
Rayner & Co., Ltd.	26
Regna Cash Register Co.	30
Riddell Products, Ltd.	13
Roberts Windsor Soap Co., Ltd.	5
Rose, J. L., Ltd.	60
Rose, L., & Co., Ltd.	65
Ross Ensign, Ltd.	63
Salter, George, & Co., Ltd.	47
Samuelson, P., & Co.	56
Searle, G. D., & Co., Ltd.	Cover ii
Simon, May & Co., Ltd.	28
Simpson's Manufacturing Pty., Ltd.	48
Smith & Hill (Chemists), Ltd.	52
Southon Laboratories, Ltd.	4
Stewart, Goodall & Dunlop, Ltd.	62
'Sunday Pictorial,' The	32
Surgical Hosiery Co., Ltd.	48
Suttley & Silverlock	40
Thornton & Ross, Ltd.	6
United Glass Bottle Manufacturers, Ltd.	46
Universal Metal Products, Ltd.	33
V.B. & G. Products, Ltd.	22
Versatile Fittings (W.H.S.), Ltd.	41
Vines Biocrin, Ltd.	50
Wander, A., Ltd.	1
Warner, William R., & Co., Ltd.	7
Webster, Isaac, & Sons, Ltd.	40
Whitaker & Co. (Kendal), Ltd.	4
Wilcox, Jozeau & Co., Ltd.	4
Wright, Layman & Umney, Ltd.	38

**Zoflora is now in continuous demand—display it on your counter**

Zoflora is now being nationally advertised in the foremost woman's magazines and large advertisements are appearing in the provincial press. Why not take advantage and stock up right away. Zoflora sells itself and ensures repeat sales.



**Have you seen the  
Zoflora  
AEROSOL**

Zoflora Aerosol is an addition to the popular range of Zoflora floral disinfectant and will feature in all this season's advertising. We anticipate a strong and persistent demand for this product. Retail Price 5/-, Trade Price 4/- per dozen.



**Zoflora**  
*floral* DISINFECTANT

TZ 68.

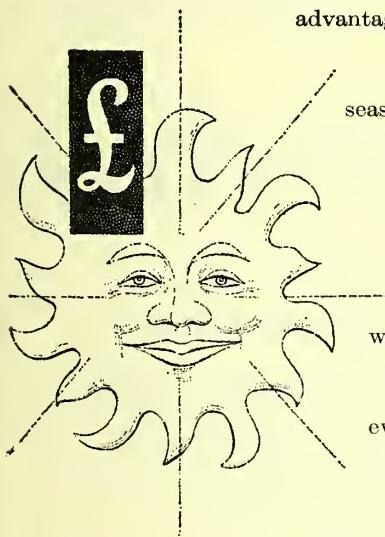
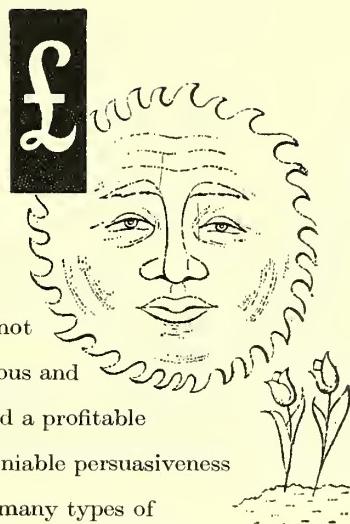
**THORNTON & ROSS**  
LIMITED  
LINTHWAITE LABORATORIES  
HUDDERSFIELD ENGLAND



## Perennial Profit

From the chemist's point of view, the advantage of stocking a laxative is that the demand for it is continuous — not seasonal. When the laxative is as efficacious and well known as Agarol, it is indeed a profitable venture. The gentle yet undeniable persuasiveness of Agarol makes it very useful for many types of patient . . . elderly and very young people, pregnant women and sufferers from constipation and haemorrhoids.

Agarol is a preparation that you can supply with every confidence whenever you are asked to recommend an aperient. It is suitable for use in any age.

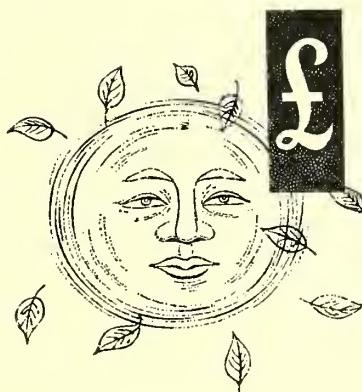


*No Warner preparation has ever been advertised to the public*

Agarol is available in bottles containing 6 and 14 fluid ozs. at 8/7d. and 7/2d.; list price per dozen 27/- and 54/- respectively, excluding Purchase Tax; for dispensing only, in tax free bottles of 80 fluid ozs. at 18/6d. each.

# AGAROL

PATA





## LAND SEA AIR TABLETS

This successful COX line enjoyed wide popularity last year at Home and Overseas.

It is available most attractively presented under ten different designs supported by display material.

Our representatives will give you further details, or if you care to write direct we shall be happy to send you samples.

**GO BY QUALITY—  
GO BUY**



ARTHUR H. COX & CO. LTD., BRIGHTON.

## OVER 100% PROFIT with FAST SELLING **KLM SUNBURN CREAM**



2 DOZ. TUBES  
in attractive  
DISPLAY UNIT



Popular demand makes this soothing cream an easy seller for the Summer months. KLM Calamine Cream and Witch Hazel is of proved efficiency in the treatment of sunburn, chapped hands, acne, nappy rash, etc. This is your chance to build up goodwill. Prices allow a particularly favourable profit margin.

RETAIL PRICE—2/6 per tube.  
TRADE PRICE—11/- per dozen plus 3/4 Purchase Tax.  
6 dozen lots 10/6 doz. + P.T.  
24 dozen lots 10/- doz. + P.T.

ATTRACTIVE SHOW CARD WITH 6 DOZ. ORDERS  
ORDERS VALUE £2 AND OVER CARRIAGE PAID

D. MAWDSEY & CO., 64 FAULKNER STREET, MANCHESTER 1



# Special supplement

**HOW** to

make

**MONEY**

this

summer



### LAND SEA AIR TABLETS

This successful COX line enjoyed wide popularity last year at Home and Overseas.

It is available most attractively presented under ten different designs supported by display material.

Our representatives will give you further details, or if you care to write direct we shall be happy to send you samples.

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24 dozen lots 10/- doz. + P.T.

ATTRACTIVE SHOW CARD WITH 6 DOZ. ORDERS  
ORDERS VALUE £2 AND OVER CARRIAGE PAID

D. MAWDSLEY & CO., 64 FAULKNER STREET, MANCHESTER 1

# K-C Mirror

PUBLISHED BY KIMBERLY-CLARK LIMITED,  
CARKERS LANE, LONDON, N.W.5

*Front page news* FROM Kleenex

# GREAT KLEENEX



The girl  
who'll be  
headlines . . .

Take a long look at the girl hugging Kleenex. She'll be seen in thousands of big advertisements featuring the Kleenex £500-a-month Contest. "Let Kleenex pay for your holiday," she's going to tell the country in these advertisements. Put that way by a pretty girl, who could refuse—specially when there's £500 every month to be won!

£500  
a month

# HOLIDAY CONTEST

● Boom in June for Kleenex retailers!

Advertiser's Announcement

Let **KLEENEX**  
pay for your  
holiday!



**£500** IN PRIZES EVERY MONTH!

1st PRIZE £200 2nd PRIZE £75 3rd PRIZE £25  
40 ADDITIONAL PRIZES OF EACH

For travelling, seaside, holidays, home or hotel, take Kleenex with you—the tissue with 1001 uses. There's £500 to be won every month, now till September. A simple test of skill, easy to enter, fun to do! Use entry form below. Have a go now!

\* Regd. T.M.

ENTRY FORM—DO BOTH PARTS—KLEENEX £500 CONTEST FOR JUNE

PART 1: There's nothing like Kleenex for colds, but there are 1001 other uses, too. Some of these are given below. List them in the order in which you judge they should be advertised. Write a list against your first choice, a 121 against your second, and so on.

- A. Use Kleenex for hay fever
- B. Use Kleenex to clean ash trays
- C. Use Kleenex to apply sun lotion
- D. Use Kleenex to wipe car windows
- E. Use Kleenex as shoulder-strap pad
- F. Use Kleenex as bib for baby
- G. Use Kleenex to remove makeup
- H. Use Kleenex to wrap sandwiches

PART 2: Complete this sentence in not more than 20 words—

"I like KLEENEX® tissues because—"

I agree to abide by the rules and to accept as legally binding the decision of the judges.

SIGNATURE \_\_\_\_\_

NAME (BLOCK LETTERS) \_\_\_\_\_

ADDRESS (BLOCK LETTERS) \_\_\_\_\_

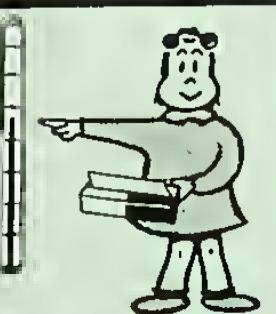
POST YOUR ENTRY TO KLEENEX CONTEST, 174 WESTBOURNE GROVE, LONDON, W.I.

IMPORTANT  
YOUR ENTRY FORM MUST BE  
ACCOMPANIED BY THE EXACT  
NUMBER OF KLEENEX  
TISSUES.  
Be sure you read rules obtainable,  
as well as some entry forms from  
shops selling Kleenex, or from  
makers, Kimberly-Clark Limited,  
Carkers Lane, London, N.W.5.

Time entries  
must be  
received not  
later than  
first post  
to July  
1956.

**WATCH YOUR SALES  
GO UP WITH THE  
TEMPERATURE**

—SAYS LITTLE LULU by *Margie*



600,000 extra sales  
of Kleenex?

Newspaper executives, questioned on the likely number of entrants in the Kleenex Holiday Contest, report that newspaper competitions with similar-sized prizes have attracted up to 200,000 entries.

An entry of this size would mean extra sales of 200,000 boxes of Kleenex per month. Assuming a similar monthly entry for each of the three months of the Kleenex Contest, this will give a total of 600,000 extra boxes of Kleenex sold this summer.

Mr. A. F. Altree, Marketing Director of Kimberly-Clark Limited, the makers of Kleenex, believes this figure may easily be exceeded.

"Remember," he says, "this series of Kleenex Contests is going to focus tremendous attention on the summer uses of Kleenex Tissues—for removing make-up, for instance, for the seaside, picnics, holidays, and dozens of other things. Not only can you expect a great surge of Contest buying, but by building mass displays of Kleenex amongst your other summer lines you'll be able to sell Kleenex as a summer article in its own right. The surface of the Kleenex summer market has hardly been scratched yet. There are IMMENSE opportunities here for every retailer, and this summer we shall be exploiting these opportunities to their fullest, with every prospect of bringing a very substantial increase in your summer profits."

**DISPLAYS  
FOR YOUR SHOP**  
See what you'll get. Follow  
the dots to back page.



# GREAT KLEENEX HOLIDAY CONTEST

- £500 in prizes every month
- Nationally Advertised
- Fresh contest each month till September
- Entrants must buy Kleenex FIRST
- Winners must list summer uses of Kleenex in correct order
- A sure summer sales booster for you !

**GET EXTRA PROFITS ALL THROUGH SUMMER !**

**STARTS JUNE 1**

Advertising starts with a boom in June . . . so get your Kleenex Contest Displays NOW ! Remember, 9 out of 10 of your customers will see this Contest advertising and they must buy Kleenex from you to enter. Make sure they buy in your shop by giving your Kleenex Contest Displays a dominant position. Make sure you get maximum summer sales by displaying Kleenex prominently with your other summer lines. Order your free displays now and make sure of big, extra Kleenex profits right through June, July, August !

**Displays  
for  
Your Shop**



**SPECIAL  
COUNTER CARD/  
DISPENSER**

Compact size. Ex-  
pensively produced  
in colour. Comes  
packed with 100  
Entry Forms plus  
a reserve stock of a  
further 100.

*Get your  
entry form  
HERE!*  
**£500**  
IN PRIZES EVERY MONTH

**LET KLEENEX PAY FOR YOUR HOLIDAY**

**WINDOW BANNER** Neat, bold, striking—re-  
minds newspaper readers to "have a go," come  
in and buy !

POST TO : Sales Manager, Kimberly-Clark Ltd.,  
Carkers Lane, London, N.W.5

Rush me a complete FREE set of Kleenex Contest Display Material—Counter  
Card/Dispenser, Entry Forms and Window Banner.

Name .....  
(Block letters throughout)

Address .....  
Cut coupon now  
most immediately

# 'FLASH' IN SUMMER?

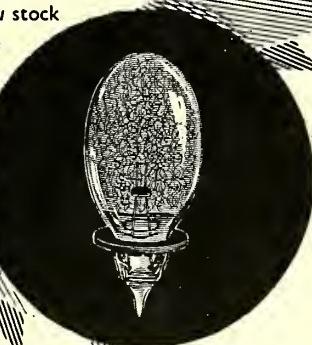
## YES, INDEED!

'Photoflux' advertising throughout the summer months will stimulate thousands to try their hands at the fascinating technique of Synchro-sunlight.

Bright sunlight often produces extreme contrasts. What Synchro-sunlight does is to iron out these contrasts by the use of a 'Photoflux' flashbulb. The balanced source of light that the flashbulb provides results in more natural photographs—both in colour and black and white.

A campaign like this, boosting flashbulbs during the summer, will also sell more flash equipment of all kinds. Let your displays show that you stock

'Photoflux' and get your share of the trade from this advertising.



*for Perfection in a Flash*

### PHILIPS "PHOTOFUX" FLASHBULBS

Made in Holland

PHILIPS ELECTRICAL LTD · CENTURY HOUSE · SHAFTESBURY AVENUE · LONDON · W.C.2

• Photolite Photoflood lamps • Darkroom safelight bulbs • Photocrescenta Enlarger lamps and Projector lamps





# Dentiline

THE denture cleaner your customers want.  
No brushing, no soaking, no cotton wool; every Dentiline pack is complete with Declon Pad. Selling at 2/6d.

**D. DAY IS JULY 2nd!**  
**WHEN 11,608,000 READERS WILL SEE THIS**  
**'DAILY EXPRESS' half page**

followed  
by large  
spaces in  
the leading  
national  
dailies —

**9,500,000 ADVERTISEMENTS**

will sell Dentiline to your customers in the first week of the biggest National advertising campaign yet in this market. Made and marketed by Eucryl Ltd., the firm you know.

IF YOU HAVE NOT ARRANGED FOR STOCK, PLEASE WRITE DIRECT NOW

EUCRYL LIMITED, SOUTHAMPTON, ENGLAND

A QUICKER, EASIER, BETTER  
way to clean and sterilize your dentures

YOUR denture is a danger spot, every crevice is a pocket for bacteria. It should be cleaned and sterilized daily—with Dentiline. Dentiline is so easy to use and so quick. With Dentiline there is no soaking, no waiting, no cotton wool. All you need is water. In every Dentiline pack there is a Declon Pad. At home, at the office, on the train or boat, it takes about 5 minutes to clean and sterilize your artificial teeth with Dentiline.

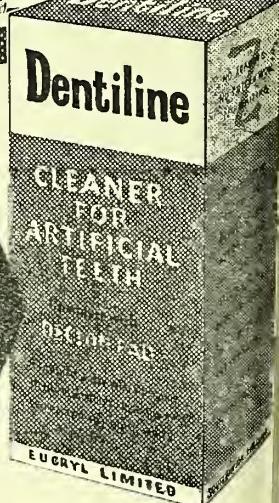
Dentiline is a concentrated liquid that penetrates every crevice of the denture. It removes stain and discolouration, even tobacco stains. It neutralizes the effects of fermentation of food particles. It cleans gently and reveals the pearly lustre of the teeth; it leaves the denture sweet and clean.

NO SOAKING....  
NO WAITING....  
NO COTTON WOOL

\* DENTILINE  
is the new formula specially compounded to clean and sterilize modern dentures



PUT  
THIS PACK  
ON YOUR  
COUNTER



# A timely BOOST for Tru-gel

the CLEAN hair dressing

**DAILY EXPRESS**  
HALF PAGE · JUNE 5TH



**READERSHIP  
OF  
11,608,000**

**OTHER LARGE SPACES  
IN THE  
Leading Daily Newspapers**

and a continuous  
campaign in the  
**National Press**  
**Radio Times**  
**etc., etc.**

## **MEN APPRECIATE CLEANNESS!**

There are more and more customers for *Tru-gel*, the hair dressing that won't stain pillows, chair-backs or hat-bands. Heavy advertising will appear during the coming peak season. To take full advantage of the demand, display *Tru-gel*—prominently!

**Tru-gel** is made by E. GRIFFITHS HUGHES LTD. Manchester

# PRIZEWINNERS

IN THE LUCOZADE CHEMIST  
SLOGAN COMPETITION



**NATIONAL WINNER**  
OF £200 for best entry

Mr. R. W. O. Stevens  
Ealing Broadway, W.13

## £100 & £50 PRIZE WINNERS

### AREA 1.

1ST PRIZE R. Shepherd,  
Bradford, Yorks.

2ND PRIZE J. N. Badger,  
Sheffield, Yorks.

### AREA 2.

1ST PRIZE R. W. O. Stevens,  
(and national winner) Ealing Broadway.

2ND PRIZE Miss R. Bagnell,  
Potters Bar,  
Middx.

### AREA 3.

1ST PRIZE L. Bradbury,  
Walsall, Staffs.

2ND PRIZE Donald Gunn,  
Weston-Super-  
Mare, Somerset.

### AREA 4.

1ST PRIZE Miss A. M. Daniel,  
Blackpool, Lancs.

2ND PRIZE J. S. Kyle,  
Belfast, N. Ireland.



# LUCOZADE

*the sparkling glucose drink*

Selling Agents: MACLEANS LTD., GT. WEST RD., BRENTFORD, MIDDX. Tel: EALING 6616

royds T3865



## SPECIAL PARCEL

12 BOXES OF SUPPOSITORIES SENT

**POST FREE!**

to your address and charged through YOUR USUAL WHOLESALER

E.G. 6 Boxes of Suppos. Bism. Subgall. 6 Boxes of Suppos. Bism. Subgall. Co.

Manufactured and Packed in the Laboratories of:

**RICHARD DANIEL & SON LTD.**

MANSFIELD ROAD, DERBY, Tel. 48266 (4 lines) and at GROSVENOR STREET, ASHTON-U-LYNE, Tel. 2816 (3 lines).

## INTRASEPT

- INTRASEPT consists of a highly concentrated alcoholic solution of carefully selected ingredients which afford a strong antibacterial effect coupled with excellent expectorant properties. Suitable for any inflammatory condition of the upper respiratory tracts, such as—

## BRONCHITIS, 'FLU, COUGHS, COLDS

- **COMPOSITION:** Iodum Resublimat., 4.1%; Liquor Ammon. Dil., B.P. 25%; Caffeine et Sod. Benzoas, 5.5%; Sod. Salicyl., 1.0%; Camphora, 5.0%; Oleum Menth. Pip., 1.5%; Alcohol, 45%.
- **GENERAL REMARKS.** 3 drops on sugar will afford an excellent prophylaxis against Spring 'flu and colds, while 8—10 drops can arrest a stubborn cough, reduce the lowering effects of bronchitis or relieve head colds and hay fever in a short time.

**RETAILS AT 3/2 PER 6 gm. DROPPING BOTTLE**

*Sole manufacturers :*

**RIDDELL PRODUCTS LIMITED**

RIDDELL HOUSE, 10—14 DUNBRIDGE STREET, LONDON E.2 **PATA**

Telephone : BISHOPSGATE 0843.

Telegrams : Pneumostat, Beth, London

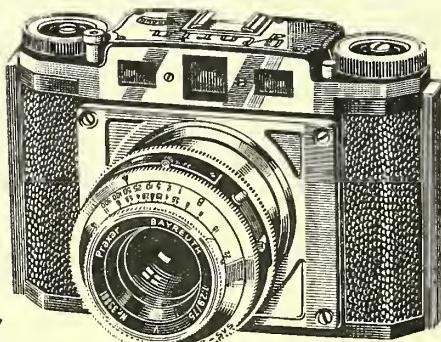
BRANCH OFFICE:—Mansfield Chambers, St. Ann's Square, Manchester 2

Your customers  
can afford  
good cameras —  
if they're  
Carl Braun!

CAN YOU AFFORD  
NOT TO STOCK THEM?

Here are three tried  
and proved models, backed  
by the unrivalled Nebro service

$2\frac{1}{4}'' \times 2\frac{1}{4}''$



## Gloria

High speed f/2.9  
Praxar lens system,  
world-famous Gauthier  
shutter, synchronised for  
flash, and with delayed  
action release. Focussing  
from 3½ ft. to infinity.

Built-in rangefinder, automatically  
extending front, double exposure prevention device,  
accessory shoe, depth of field scale. Leather-covered  
body with smart chrome trim.

GLORIA with f/2.9 Praxar  
Bayreuth lens, in Pronto  
4-speed shutter

£19.19.0

Leather Ever-ready case with strap £2.17.0

GLORIA with f/2.9 Praxar  
Bayreuth lens, in Prontor  
S.V.S. 8-speed shutter

£23.10.0

NEVILLE BROWN &  
77 NEWMAN STREET · LONDON · W.I



## Paxina

29

Takes 12 2½'' x 2½''  
pictures on size 120 roll  
film. High speed f/2.9  
Praxar Bayreuth anastig-  
mat lens, two alternative

Gauthier shutters, flash-synchronised, and with delayed  
action release. Focussing from 3½ ft. to infinity. Optical  
viewfinder, shutter release socket, accessory shoe, depth  
of field and focussing scales, and tripod bush.

PAXINA 29 with f/2.9  
Praxar Bayreuth lens, in  
Pronto 4-speed shutter

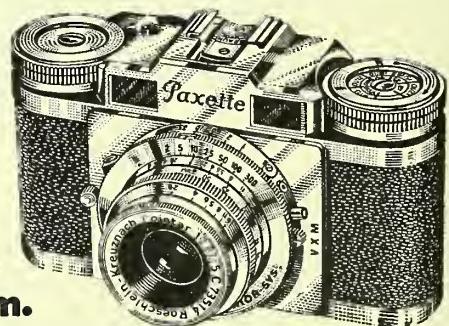
£14.14.0

PAXINA 29 with f/2.9  
Praxar Bayreuth lens, in  
Prontor S.V.S. 8-speed  
shutter

£17.17.0

Leather Ever-ready case £2.17.0

35 mm.



## Paxette

f/2.8 Pointar Anastig-  
mat colour-corrected  
lens; Prontor S.V.S.  
8-speed shutter, syn-  
chronised for flash, and with delayed action release for  
self portraiture. Focussing from 3½ ft. to infinity. Rapid  
lever wind, coupled to shutter and film transport as a  
safety device against double or blank exposures. Leather-  
covered body, satin-chromed finish.

PAXETTE I, with built-in  
exposure meter

£23.0.0

PAXETTE II as above, with  
interchangeable lenses £23.18.6

PAXETTE IIm, with built-  
in split-image rangefinder

£26.0.0

PAXETTE IIIm as above, with  
interchangeable lenses £34.10.0

English Hide Ever-ready case £2.11.

CO. LIMITED

Tel: LANGham 7161 (10 lines)



**NOW!**

Get fast sales with  
**LOCKWOODS** Vitamin "C" drinks

# **FREE SAMPLE OFFER!**

Increase your sales of Lockwoods—by taking part in this free trial scheme. Place your order now for 3 dozen bottles plus 3 dozen free samples: choose from dozen lots of Raspberry, Orange or Pineapple. The show-card illustrated here will be sent to you with your order. It explains that each purchaser of a full-size bottle also receives a free trial bottle; and that, if he doesn't enjoy his free sample, he can return the full-size bottle—and his money will be refunded.

Few of your customers will resist a free trial of something as exciting as Lockwoods. And our experience of consumer acceptance of Lockwoods shows that no-one is likely to return the full-size bottle to you. If anyone does, please co-operate by refunding the full purchase price, provided the seal is unbroken: if you wish, you can then hand the returned bottle to our representative for credit.

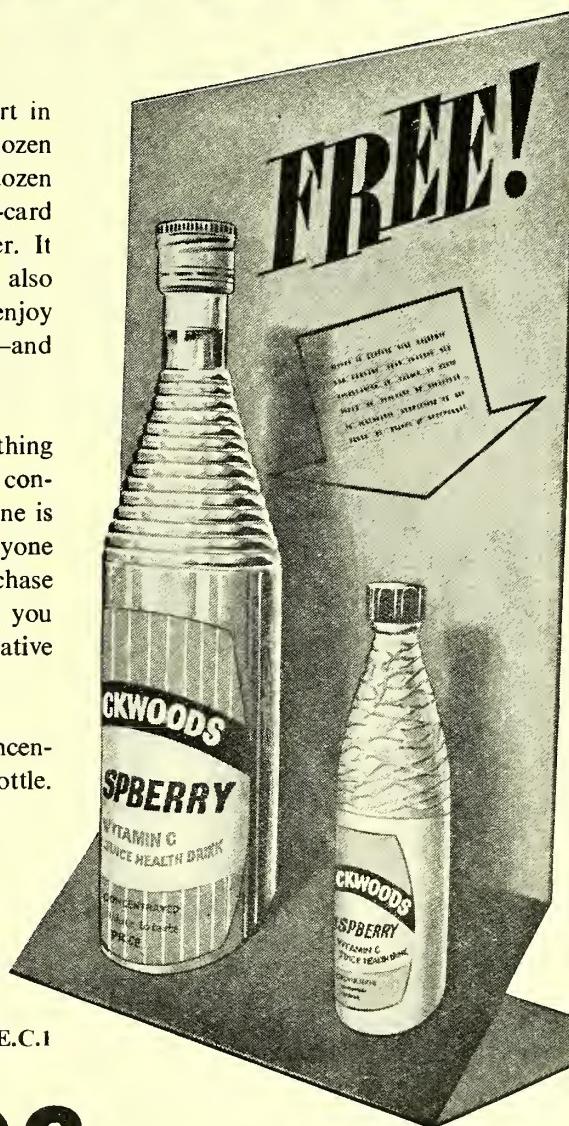
From June 1st, the retail price of Lockwoods concentrated Vitamin "C" drinks is increased to 3/6 per bottle.

### Trade Prices:

1 to 2 dozen	—33/5 per dozen nett
3 to 5	„ —31/9 „ „ „
6 to 11	„ —31/5 „ „ „
12 doz. or more	—30/- „ „ „

*All orders and enquiries to sole agents:*

Fassett & Johnson Ltd., 86 Clerkenwell Road, London, E.C.1



# **LOCKWOODS**

concentrated Vitamin "C"

**MANUFACTURED BY: EASTERN COUNTIES PRESERVES (1940) LTD : LONG SUTTON : LINCS.**

# 'Solupen'

'Solupen' is our new quickly-written name for crystalline penicillin G sodium salt and denotes soluble penicillin of the highest purity and potency. Also available -

'Solupen' Buffered.

THE DISTILLERS COMPANY (*Biochemicals*) LIMITED

SPEKE, LIVERPOOL 19. Tel: HUNTS CROSS 1271

*'Solupen' is a registered trade mark, the property of the manufacturers.*

PPB 6/56



She won't be disappointed in her 'Alkathene' bowl! She'll come back to you for more houseware made from 'Alkathene'. Arrange a display of 'Alkathene' goods and see how fast they sell!

## Whatever the make— they'll be asking for '**ALKATHENE**'

THE I.C.I. BRAND OF POLYTHENE

'ALKATHENE' is all a housewife could ask for! No wonder houseware made from 'Alkathene' (the I.C.I. polythene) has already lightened and brightened housework in so many homes. It is light as a feather, it is hygienic, it won't rust or chip. There is a range of the gayest colours.

Now comes powerful national advertising to make housewives still more 'Alkathene' conscious.

### National Advertising Now Helps you to Sell More 'Alkathene'

Press advertisements in a long list of powerful media bring the story of 'Alkathene' into millions of homes throughout Great Britain. There will be film advertising as well.

**FREE CUSTOMER DISPLAY MATERIAL** to link your shop with these advertisements, is available through your normal suppliers. In case of difficulty, write to Publicity Dept., Imperial Chemical Industries Ltd., Plastics Division, Welwyn Garden City, Herts.

All the advertisements feature the 'Alkathene' label which means that housewives will "ask for 'Alkathene'." And once they have bought one article made from 'Alkathene', they are sure to come back for more.

Get your share of this fast-growing market! Make sure your stocks are adequate and plan your 'Alkathene' displays to tie in with the national campaign.

### LOOK FOR THIS LABEL

Articles bearing this label are made from 'Alkathene', the sign of the highest quality.



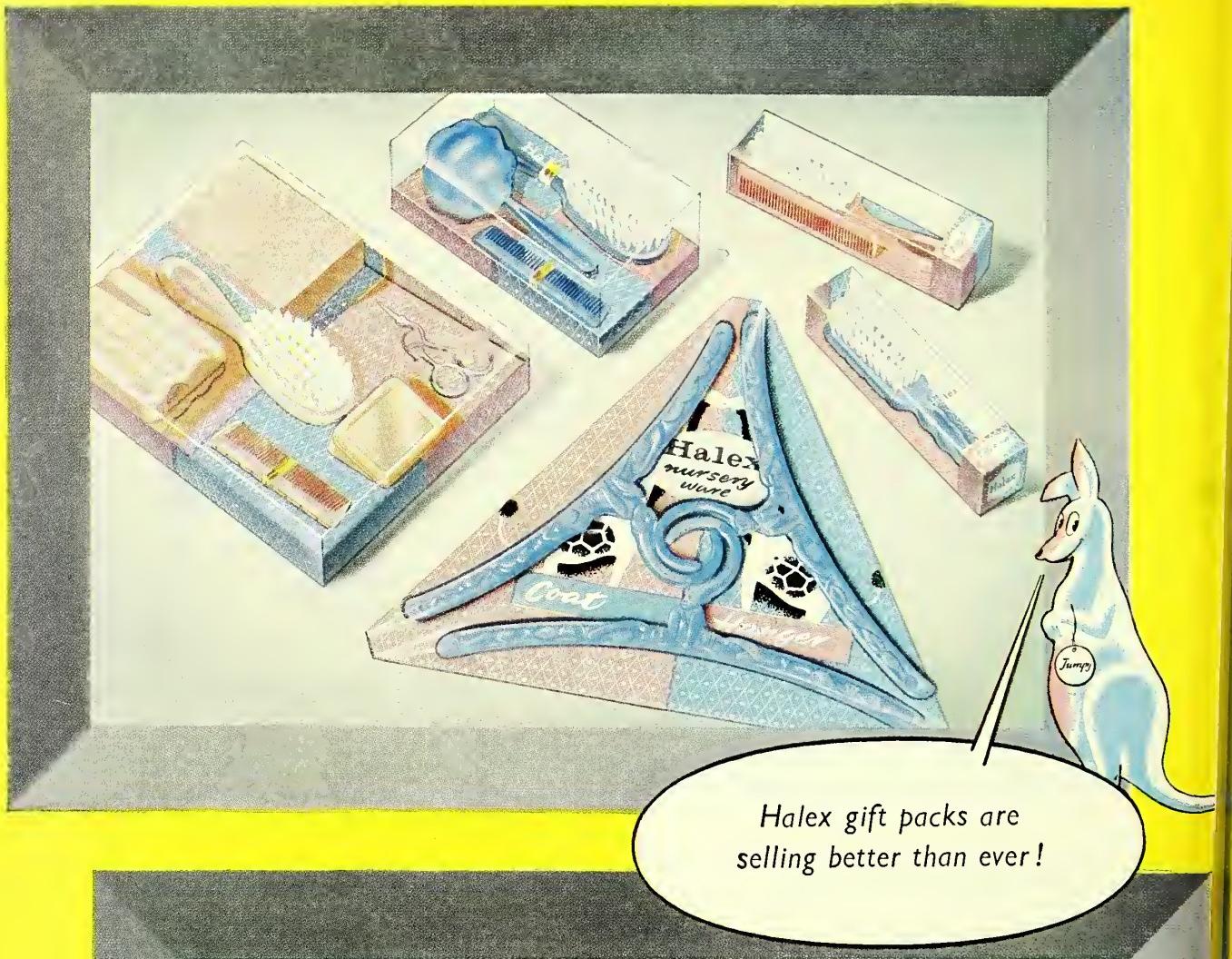
# 'ALKATHENE'

'Alkathene' is the registered trade mark for the polythene made by I.C.I.

IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.1



AH.3/T



Halex gift packs are  
selling better than ever!

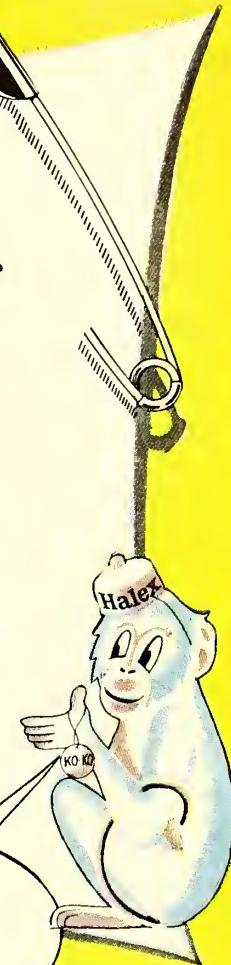


# It's a profitable business selling the **HALEX** range of nurseryware!

*Here's why.* First, Halex nurseryware is so attractively gift-packed that it well nigh sells itself. Second, customers already know and trust the famous Halex name. And third, the exceptionally high quality of each Halex

article recommends the rest of the Halex range. Sell one—and you've a steady, sure source of profit in other Halex sales. Hygienic Halex nurseryware offers a range of warm, gay baby colours—single items or matching sets.

## YOU CAN BE SURE YOU'LL SELL HALEX NURSERYWARE



Halex feeding ware is made  
in warm, gay baby colours  
—to sell on sight!



Please send me the full  
illustrated leaflet and price  
list of Halex nurseryware.

NAME  
ADDRESS

To HALEX (a Division of the British Xylonite Co. Ltd.)  
HIGHAMS PARK, LONDON, E.4.



**The foremost negative-positive process**

*All Agfacolor Processing Stations have extended their production capacity to give a good service and to maintain the usual high standard of quality.*

*Please send order for processing Agfacolor negative film, printing and enlarging direct to one of the accredited Agfacolor Processing Stations—*

**"Fencolor Laboratory," 11a Newmarket Road, Cambridge.** Telephone: Cambridge 54507.

**Messrs. Jones & Bailey, Ltd., 70/72 Brewery Road, London, N.7.** Telephone: North 2533.

**Millcolor, Ltd., 48-49 John Street, Brighton.** Telephone: Brighton 62125.

**Messrs. Tempo Laboratories, Ltd., 80/82 St. John's Road, Tunbridge Wells, Kent.** Telephone: Tunbridge Wells 21019.

**Messrs. Turners (Colorfoto) Ltd., Camera House, Pink Lane, Newcastle-upon-Tyne 1.**

Telephone: Newcastle 25391.

**AGFA LTD., LONDON, DO NOT ACCEPT ORDERS DIRECT  
FOR THE PROCESSING OF AGFACOLOR NEGATIVE MATERIALS.**



**Reversal Film  
for sparkling colour transparencies**

**Fast (25° scheiner) emulsion rating giving greater scope to transparency enthusiasts.**

*Retail price of Agfacolor reversal films include processing charge. Users should send their exposed Agfacolor reversal film direct to Agfa Ltd., Deer Park Road, Wimbledon Factory Estate, London, S.W.19, for processing. Full instructions and envelope for the purpose contained in each film carton.*

Agfa Ltd. are pleased to announce that Agfacolor enlargements can now be made from 35mm Agfacolor Reversal films by means of an intermediate negative at a retail price of 3s. 6d. each subject for the negative. From the intermediate negative any number of Agfacolor enlargements can be produced at listed prices: size  $3\frac{1}{4}'' \times 4\frac{1}{2}''$ ,  $4'' \times 4''$ ,  $4'' \times 5\frac{3}{4}''$ ,  $5'' \times 7''$ . Only transparencies of normal gradation or slightly under-exposed are suitable for this process. Too contrasty or over-exposed transparencies will not give satisfactory reproduction. Orders for this work to be sent direct to one of the five accredited Agfacolor Processing Stations listed above.

**Agfacolor REVERSAL CINE FILM for superb natural-colour movies.**

Double 8mm (25ft) standard spools. Movex cassettes, single run, 50 and 100ft.  
16mm standard spools, Siemens cassettes.

*Retail price includes processing.*

## No fly can live in this room!



## Tell your customers all about 'Lorexane'

YOU ARE SURE to be able to sell 'LOREXANE' aerosols in large quantities this summer. Be prepared for the increased demand during the warmer weather.

Advertisements in the *Radio Times* and national magazines will bring you many new customers. Tell them how a few short bursts with a 'LOREXANE' aerosol makes a room deadly to flies. Tell them that 'LOREXANE' contains gamma BHC, a powerful insecticide that is lethal to flying pests but will not harm animals or human beings. Here is your chance to benefit from the increasing popularity of 'LOREXANE'!

**This summer recommend  
'LOREXANE'  
AEROSOL INSECT SPRAY**

— contains gamma BHC, a most deadly insecticide

**PRICES**  
Available in handy  
tins retailing at  
prices ranging from  
**5/- to 10/6**



IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, WILMSLOW, CHESHIRE.  
A subsidiary company of Imperial Chemical Industries Limited

LOR.6/T

D

**CALMIC contributions to modern medicine**

In every sphere of ethical practice Calmic preparations are confidently prescribed. Constant research and rigid standards of production control are bringing about new methods of treatment and pharmaceutical preparations of proved clinical excellence.

**CICATRIN**  
Amino acid antibiotic Powder for topical application containing 250 units of Bacitracin and 5 mg of Neomycin per gramme in addition to the tissue promoting amino acids l-cystine, dl-threonine and glycine. Bacterial resistance to this antibiotic combination is extremely rare and there is no risk of toxic reaction occurring. Cicatrin Powder is indicated for the treatment of superficial wounds, burns, varicose ulcers, rectal surgery and pyogenic skin conditions. Pack. 15 grammes sprinker.

**HYPON**  
Analgesic and antipyretic Tablets—containing Codeine, Phenacetin and Acetylsalicylic Acid with addition of Caffeine, and Phenolphthalein to overcome side effects of depression and constipation. Packs: 10, 50, 125, 250 Tax-free dispensing packs 600, 1,000.

**FERROMYN**  
Containing Ferrous Succinate, the new oral organic iron for the treatment of iron deficiency anaemias, especially recommended for the anaemias of pregnancy. In liquid or tablet form. Dosage: 1 teaspoonful/tablet t.d.s. or as prescribed. Packs: 4-oz., 20-oz., 40-oz., 80-oz., bottles. 100 tablets, 1,000 tablets.

**FERROMYN 'B'**  
Containing Ferrous Succinate, the new oral organic iron for the treatment of iron deficiency anaemias accompanied by Vitamin B deficiency. In liquid or tablet form. Dosage: 1 teaspoonful/tablet t.d.s. or as prescribed. Packs: 4-oz., 20-oz., 40-oz., 80-oz. bottles. 100 tablets, 1,000 tablets.

**DRAPOLENE CREAM**  
For napkin rash. A water miscible cream for the treatment and prevention of urinary dermatitis in infants and incontinent patients. Packs: 2-oz. tubes and 1-lb. dispensing jars.

**CIMILAC GAUZE (Compound Ammonium Tulle)**  
A general wound dressing which promotes healing. It is bacteriostatic non-greasy and non-adherent. A useful dressing for the treatment of burns, wounds, boils, varicose ulcers and for skin grafting. Packs: Prescription (10 pieces) and Hospital (24 pieces)  $3\frac{1}{2}$  x  $3\frac{1}{2}$ .

**CEREVON**  
A haematinic compound utilising the advantages of Ferrous Gluconate for the treatment of microcytic hypochromic anaemias, iron deficiency anaemias and the anaemias of pregnancy. Available in liquid or tablet form. Packs: Bottles of 4, 20, 40, 80 fluid ozs; 100 tablets, 1,000 tablets.

**CALMIC LIMITED**

CALMIC LIMITED CREWE. Phone CREWE 3251-5  
LONDON: 2 Mansfield St., W.1. Phone LANGham 8038-9

AUSTRALIA: 458-468 Wattle Street, Ultimo, Sydney, N.S.W. T2  
CANADA: Terminal Buildings, York St., Toronto.

Build up Goodwill with . . .

**Elasto**  
THE BIOCHEMIC TABLET

Many Chemists are recommending 'ELASTO' to their customers with mutually good results.

P.A.T.A.

NEW ERA LABORATORIES LTD.  
Cecil House, Holborn Viaduct, London

What other Gastric and Duodenal Ulcer Tablet shows up to 50% NETT PROFIT?

(Minimum quantity of small size shows 40% Net profit)

**'MEDA 500' GASTRIC TABLETS**

Retail price including P.T. 1/10d, 8/1½d, 23/1d. Low priced introduction size has extremely high selling potential. Meda 500 tablets can be recommended with absolute confidence being at least equal and we believe superior to any gastric and duodenal ulcer preparation at present marketed.

Send for details of Trade terms today.

V.B. & G. PRODUCTS LTD. • 8 NORTHAMPTON ST. • LEICESTER  
Telephone: 21939, Ext. 3.

## *Special Bonus Offer*

## Bonus Terms



# **GEIGY**

*announces....*

# **EURAX**

REGD. TRADE MARK

## **ANTIPRURITIC LOTION**

Now is the time of year when sales of skin lotions take a natural upward turn. The Geigy Pharmaceutical Company are making a special bonus offer to pharmacists to enable them to take advantage of this peak period.

**EURAX LOTION** was first introduced to the market last year and has already earned widespread popularity as a soothing emollient giving prompt relief in pruritus. It is also particularly indicated for the treatment of soreness due to exposure to wind and sun.

**On every order for a dozen or over—14 bottles to the dozen** { Your outlay 33/-  
Your return 57/9  
Your profit 24/0 or 75%

The offer is valid on all orders posted between June 1st and June 29th.

If you have not received the special order card by June 14th,  
please write direct to the address below.

The bonus part of the order will be despatched direct to you from the manufacturers, the remainder of the order being executed by your usual wholesaler.

AVAILABLE IN BOTTLES OF 2 OZ. 4 OZ. 16 OZ.  
RETAILING AT 4/1½ 7/6 24/9

**GEIGY PHARMACEUTICAL COMPANY LTD.**  
**Rhodes, Middleton, MANCHESTER** PH. 97

# Millions of KAY'S flycatchers are sold each Summer

**EXPERIENCE proves there is no better way of catching flies**

Proved over the years, more and more people are returning to the foolproof method of flycatching.

- ★ Shiny and attractive to flies, Kay's Flycatchers capture them by the hundred.
- ★ Hygienic—traps them and holds them fast for good.
- ★ Reinforced with D.D.T.
- ★ Guaranteed to remain fresh in store.
- ★ Supplied in eye-catching display boxes.

**There's plenty of profit for YOU**

**Honeypot and Viper**  
**FLYCATCHERS** Regd

*Order NOW from your usual wholesale supplier or direct from*  
**KAY BROTHERS LIMITED · REDDISH · STOCKPORT**

Selling price to public 3d. each

### TO RETAILERS

#### HONEYPOOT

Under 3 gross ... 27/- per gross  
3 gross and over ... 24/- per gross

#### VIPER

Under 3 gross ... 28/- per gross  
3 gross and over ... 25/- per gross

and . . . a HARD SELLING ADVERTISING CAMPAIGN throughout the NATIONAL PRESS will create huge Public Demand.

so . . . Stock up NOW and ensure that this Summer is a record Sales Success with this rapid turn-over line.

TM

## Combined Attack

Amongst people in all walks of life Mycil Ointment and Powder have become established as preparations of undoubted effectiveness in the treatment of athlete's foot.

Both preparations are non-mercurial. Both are effective in prophylaxis as well as in treatment.

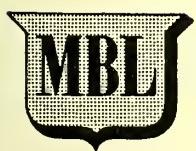
Mycil Powder is also recommended to combat the effects of excessive perspiration.

	TRADE	RETAIL
OINTMENT	collapsible tubes	1/6
POWDER	sprinkler tins	1/6
		2/9
		2/9

**'MYCIL'** for athlete's foot  
TRADE MARK

# ST. JAMES' BALM

*The ONE Ointment  
for the MANY Skin Troubles*



ST. JAMES' BALM is the proven remedy for common skin troubles—and for some quite uncommon ones too! Because it contains the broth filtrates of the microbes causing most skin infections, treatment is successful in an exceptional number of cases. ST. JAMES' BALM is therefore the ideal general-purpose ointment for family use. On merit alone, ST. JAMES' BALM is in steadily increasing demand. You may stock and recommend it with absolute confidence.

**MEDICO-BIOLOGICAL LABORATORIES LTD.**

CARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25

*Women today,  
more than ever before,  
are believing that . . .*

. . . IF IT'S

# Evan Williams

IT'S GOOD  
FOR THE HAIR!

EVAN WILLIAMS HAIR BEAUTY PREPARATIONS  
BRILLANTINE · WAVE SET

· SHAMPOOS · COLOUR RINSES  
'NEW LOOK' HAIR CONDITIONING CREAM

## Barium Sulphate B.P.

Bariform Brand Barium Sulphate for X-ray diagnoses is a fine white powder conforming to the B.P.

Designed for the preparation of barium meals, it has excellent suspensibility and extremely fine particle size.

It is also available as a rapidly dispersible paste.

## Hydrogen Peroxide

10 and 20 volumes in bottles. A wide range of packs and labels available



## LAPORTE

Laporte Chemicals Ltd., Luton. Tel: Luton 4390. Cables: Laporte, Luton



For acidosis...  
recommend

*Rayner's*  
**Lembar**

all the year  
hot or cold



Lemons  
Glucose  
Scotch Barley  
Sugar

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.10

# RADIAN-*a*

for

## BUNIONS



### Why sales increase in summer...

Warmer weather means swollen feet and increased pressure on painful bunions. That is why you should display Radian-*a* prominently NOW!

Radian-*a* is backed by *year-round* hard-hitting publicity in national newspapers and women's magazines; also in a long list of provincial newspapers. Attractive display material is available on request.

### *There is a display bonus of 5% . . . .*

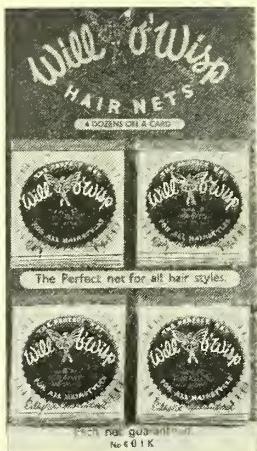
on direct orders of £3, comprising any combination of Radian products, which also include: Radian-B Aspirin Spirit Liniment, Radian Massage Cream, Radian Soothing Cream, Radian-B Bath Salts and Radian Ovals.

*Write or  
Phone*

**Radiol**  
CHEMICALS LIMITED

78 Upper Richmond Rd.,  
LONDON, S.W.15

Telephone: VANDYKE 1642 and 2692



## To show them is to Sell them...

... and to sell them is to make a regular customer! Here is a first-class product supported by attractive displays. Stronger, finer, long-lasting — "Will O'Wisp" Hair Nets, Slumber Nets, etc., sell on sight and repeat on quality.



**Will O'Wisp**  
THE LUXURY HAIR NETS

From your Wholesaler. In case of difficulty write for nearest supplier:

SIMON, MAY & CO., LTD., NOTTINGHAM. Est. 1849

**Fine QUALITY - plus forceful DISPLAY**

## How often do your customers ask for a weight-reducing product?

Here is a harmless preparation which is really effective.

## CARRUGAN THE SWEDISH MILK DIETING METHOD



### DIRECTIONS

Mix a heaped teaspoonful of CARRUGAN in a glass of milk. After a few minutes the milk will thicken. Leave for a further five minutes then stir and drink. The taste is slightly sour, and refreshingly palatable. Two or three glasses of CARRUGAN milk provide a substitute for a meal—the feeling of hunger which might be expected being completely satisfied. A normal food intake-day should follow one or other of the most two CARRUGAN diet days. Normal intake of food per day provides approximately 3000 calories. Six to seven glasses of CARRUGAN milk per day provide approximately 1000 calories.

In the CARRUGAN method which is based on the reaction of a weak organic acid with a neutral salt the casein contained in milk is precipitated within a few minutes in the form of evenly distributed, easily digestible flakes. CARRUGAN gives the milk a more bulky form. CARRUGAN milk contains all the necessary vitamins.

**PACKING :** CARRUGAN is available in:  
2 oz. tins (retail price 10/-) 4 oz. tins (retail price 19/-).

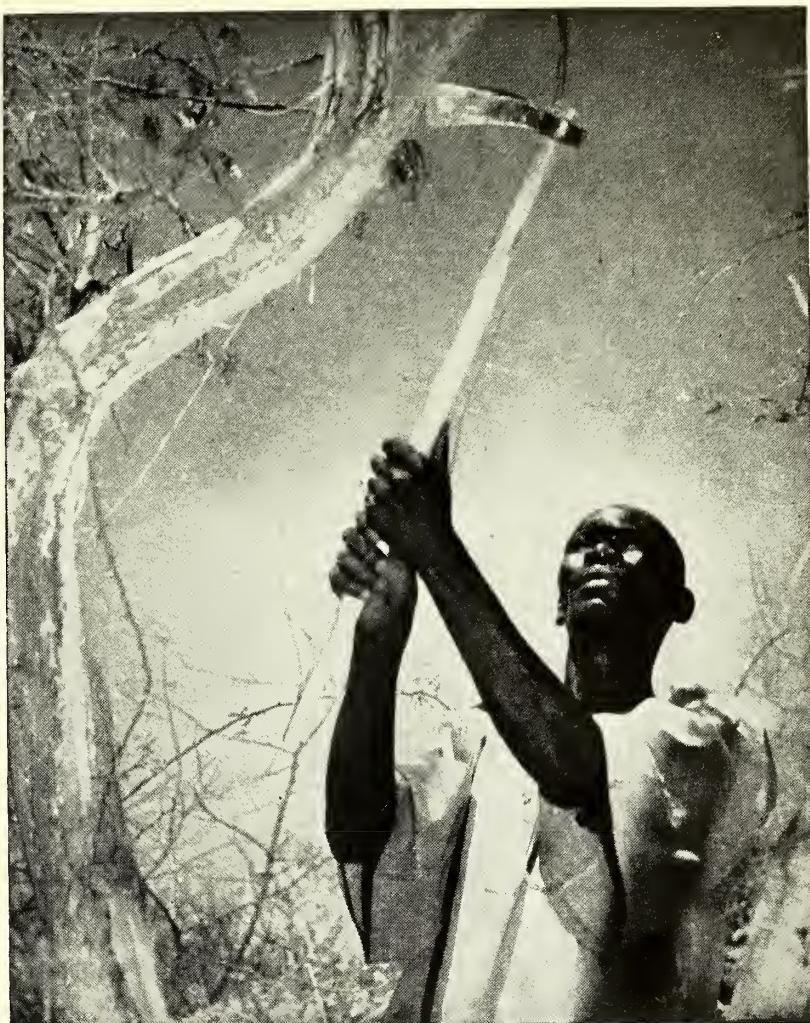
### COMPOSITION :

Tartaric Acid 63%, Magnesium carb. 22%, Sodium bicarb. 14%, Albumen 1%.

### SOLE DISTRIBUTOR—

**MILLER of Golden Square, Limited**  
**13 GOLDEN SQUARE, LONDON, W.I.** Phone: Gerrard 6533

*There's  
far more  
to it  
than  
this!*



*The tapping and splitting operation.*

(Photograph by courtesy of Sudan Government Agency.)

## GROUND GUMS

**TRAGACANTH  
ACACIA  
KARAYA**

**ORDER FROM**



**STAFFORD ALLEN & SONS LIMITED**

**WHARF ROAD, LONDON, N.I.**

**Telephone: CLErkenwell 1000 (7 lines)**



*See Your Takings Grow!*



Illustrated is  
the Two-  
total Model

*This is your hourly book-keeper, trading register and adding machine Sub totals at the push of a button. Lightning quick cash balance—*

#### Itemised receipts

You can establish customer goodwill by issuing an itemised and correctly totalled receipt to each customer. A duplicate copy remains as a locked in record of every transaction.

#### Sub totals

Your up-to-the-minute turnover can be obtained at any time during the day by simply pressing a button.

#### Modern Design

The public likes to see efficiency and efficiency attracts the public. The smart clean line of the Regna Cash Register on your counter takes but half the valuable space occupied by old fashioned machines—compact and super efficient you can be proud of its appearance in your shop.

#### Increased Efficiency

Visible control detail rolls, clearly printed and easily read. Repeaters and multiples can be

PRICES FROM  
**£97 - 10**

H.P. TERMS AVAILABLE

recorded. So easy for any or all counter hands to operate.

#### A model to suit your need

Various models available to suit your individual requirements. Electrical operation on some models for super-speed.

*SEND NOW for further information of the particular model to suit your needs.*

REGNA CASH REGISTER CO., 27 John Adam St., London, W.C.2. Tel: TRA 3718  
Scottish Office:—27 Oswald Street, C.I. Phone: Central 3710



Accountant says:  
REGNA accuracy saves me hours of checking time.



Chemist says:  
My two-total REGNA analyses my takings in a flash.



Garageman says:  
REGNA registers my credit and cash trading.



Grocer says: Faster service and accurate charging with REGNA Itemiser.



Draper says:  
I use all REGNA models to advantage.

**REGNA CASH REGISTER COMPANY** 27 JOHN ADAM STREET, LONDON, W.C.2

# New and revised

"This book is unique in the English language and is a valuable source of reference to all who are interested in the origin and uses of botanical drugs."

**T. E. Wallis, D.Sc. (Lond.), F.R.I.C., F.P.S.**

Emeritus Curator of the Pharmaceutical Society of Great Britain and sometime reader in Pharmacognosy University of London.

- \* Gives the uses, Preparations, Doses, Synonyms and Distinctive Characters of BOTANICAL DRUGS used in Medicine.
- \* HAS NEARLY 3,000 AUGMENTED REFERENCES
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- \* BEAUTIFULLY BOUND—A HANDSOME AND VALUABLE ADDITION TO ANY LIBRARY



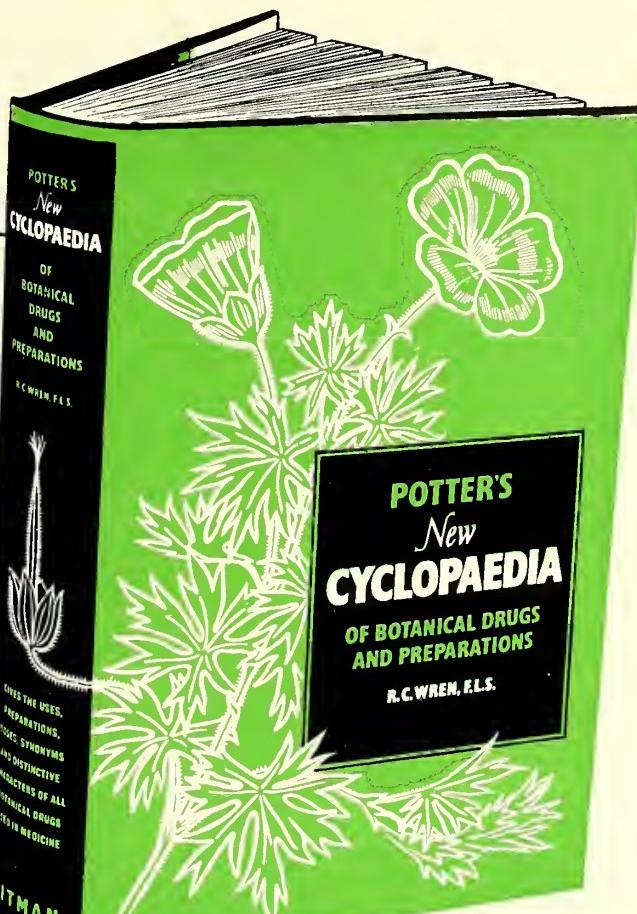
An indication of the format of the New Cyclopædia is given in the pages illustrated.



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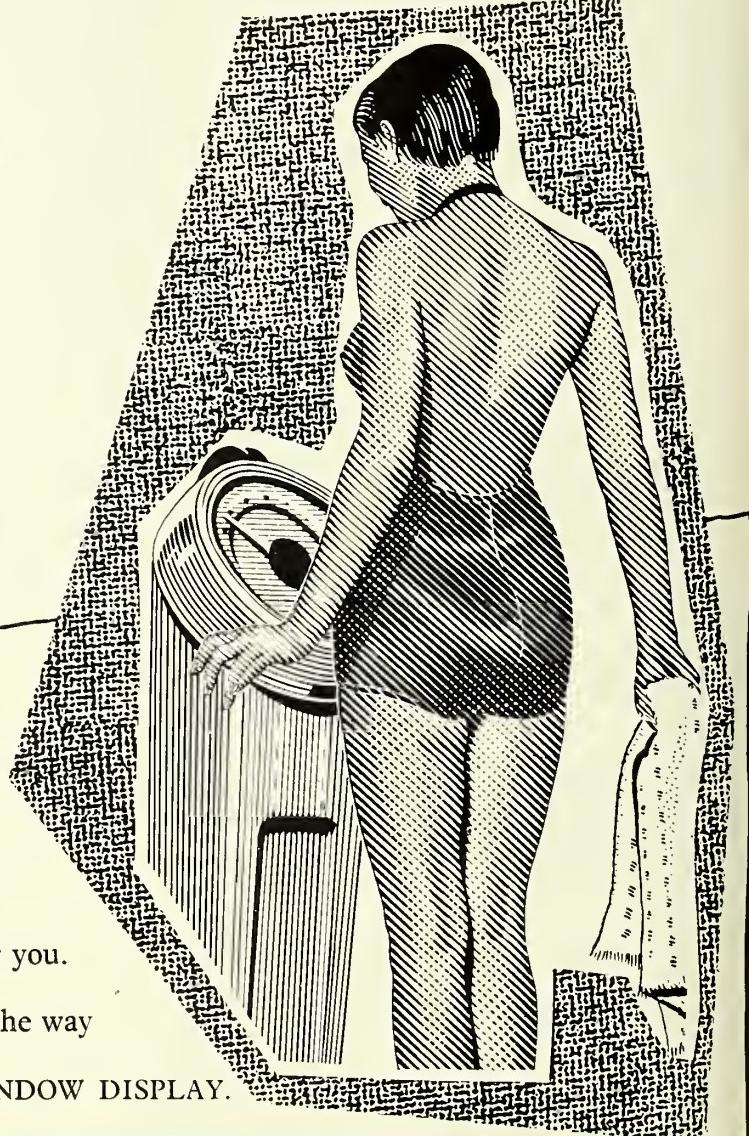
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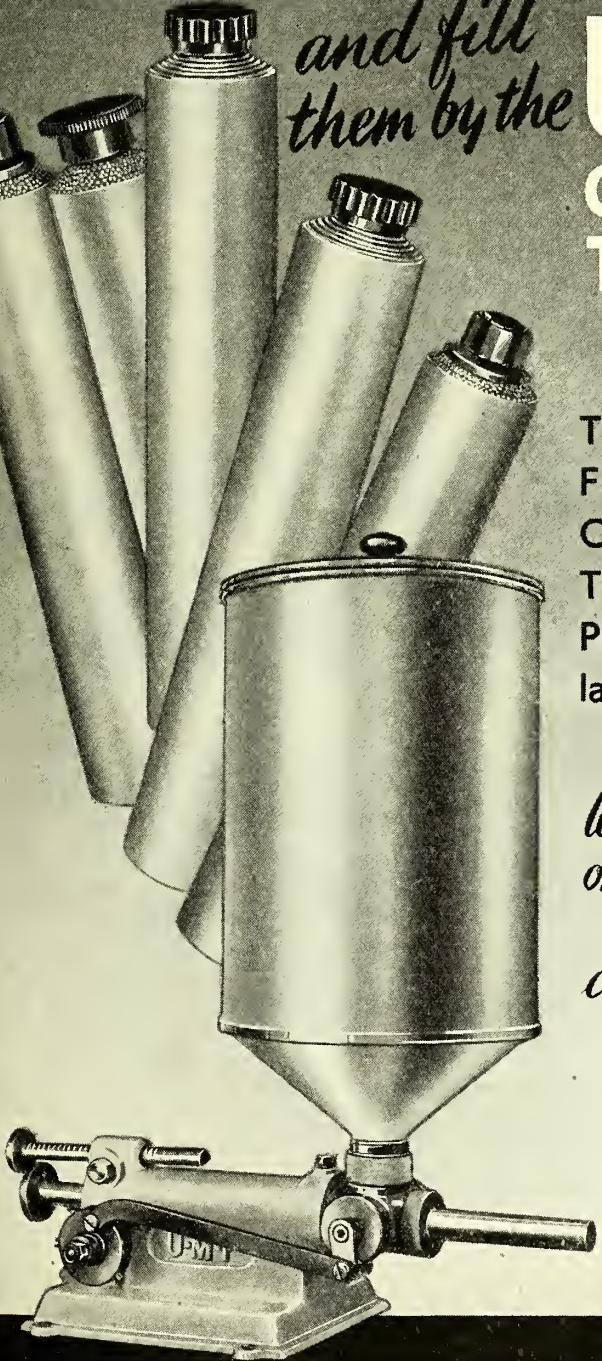
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Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 165 June 2, 1956 No. 3980

## CONTENTS

Brazilian Exports	... ... ...	473
British Pharmacopœia, 1958	...	456
Epsom Hospital's Modern Pharmacy	...	470
Figures in Pharmaceutical World—39	...	465
Films as Aid to Management	...	463
Guide to New Medicaments	...	472
Health Service Accounts	... ...	456
Horticultural Fungicidal Preparations	...	475
Leading Articles:—		
Nonsense, Mr. Adams?	... ...	467
The Society and Remuneration	...	467
Overseas Trade in April	...	467
Onward from Galen	... ...	468
Physical Instruments Exhibition	...	462
Scottish Executive Election	...	457
Shopfitting Problems	... ...	474
Topical Reflections	... ...	455

Branch Meetings	...	464
Business Changes	...	458
Coming Events	...	481
Correspondence	...	469
Deaths	...	459
Echoes of the Past	...	471
Information Wanted	...	474
Inquests	...	459
Irish News	...	454
Legal Reports	...	458
Local Officers	...	455
New Companies	...	458
New Products	...	461
Personalities	...	459
Price Changes	...	482
Print and Publicity	...	482
Scottish News	...	454
Sport	...	455
Trade Marks	...	481
Trade Notes	...	460
Trade Report	...	479
U.S. Approved Remedies	...	472
Wills	...	482
World Trade	...	473

INDEX TO ADVERTISERS. Pp. 5 & 6.

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# The CHEMIST AND DRUGGIST

Volume 165

JUNE 2, 1956

No. 3980

## British Approved Names SUPPLEMENTARY LIST ISSUED

THE following supplementary list of approved names is issued by the British Pharmacopoeia Commission:—

APPROVED NAME	OTHER NAMES
Chlorotriani-sene	Tri-( <i>p</i> -methoxyphenyl)chloroethylene; tri- <i>p</i> -anisyl-chloroethylene; Tace
Edetic acid	Ethylenediamine tetra-acetic acid
*Levorphanol	(—)-3-Hydroxy- <i>N</i> -methylmorphinan; levorphan; Dromoran is the tartrate of <i>N</i> : <i>α</i> : <i>α</i> -Trimethyl- <i>β</i> -phenylethylamine Mephine
Mephenter-mine	2-Methyl-2-propyl-1:3-propanediol dicarbamate; Equanil; Miltown.
Meproba-mate	
Mercapto-purine	6-Mercaptopurine; Purinethol
Methypy-rone	3:3-Diethyl-5-methylpiperidine-2:4-dione; Noludar
Nitrofuran-toin	1-(5-Nitro-2-furfurylidene-amino)hydantoin; Furadantin
Nystatin	An antibiotic produced by <i>Streptomyces noursei</i> ; Mycostatin
Phensuximide	<i>N</i> -Methyl- <i>α</i> -phenylsuccinimide; Milontin
Pyridostig-mine	3-Dimethylcarbamoyloxy-1-methylpyridinium; Mestinon is the bromide
Sodium cal-ciumedetate	Calcium chelate of the disodium salt of ethylenediamine tetra-acetic acid

\*Replaces Levorphan.

The approved name methoestrol has been withdrawn and the entry under promethoestrol amended as follows:—  
Prometho-estrol 3:4-Di-(4-hydroxy-3-methyl-phenyl)hexane; methoestrol

## Public Pharmacists

### ANNUAL MEETING IN LONDON

THE following ten ordinary members of the council of the Guild of Public Pharmacists have been elected: Messrs. H. S. Grainger (278), A. M. Mees (245), F. J. Whelan (235), Miss M. C. Islip (229), Miss E. P. Button (222), Messrs. S. Powlson (218), C. H. Preston Robinson (210), D. H. S. Cox (177), W. Mott (136), F. W. Sambidge (131). Unsuccessful were: Messrs. P. J. Fowler (114), J. Fogg (85), E. W. G. Dilkes (82), C. R. Dimond (68), J. Gilliland (60). A district member elected was: Midland, Mr. E. J. Fitchett (40); the following were returned unopposed: Miss E. M. Hirst, Messrs. J. Morrison,

## International Pharmacy

### INDUSTRIAL SECTION OF FEDERATION

APPLICATIONS for membership of the recently formed industrial pharmacists' section of the International Pharmaceutical Federation are being considered by the committee at its

meeting in Paris on June 16. Application forms are obtainable from Mr. A. Duckworth (joint secretary, I.P.F., Section of Industrial Pharmacists), Tavistock House South, Tavistock Square, London, W.C.1.

## Microbiological Assay

### PAPERS READ TO MIDLANDS ANALYSTS

AT a joint meeting of the Midlands section and the biological methods group of the Society for Analytical Chemistry held in Birmingham recently, on "The Fundamental Bases of Microbiological Assay," a paper on "The Influence of Physical Factors on the Microbiological Assay of Antibiotics" was read by MR. J. W. LIGHTBOWN, M.Sc., F.P.S. (department of biological standards, National Institute for Medical Research). Microbiological assays, said Mr. Lightbown, were affected by variation of physical factors such as temperature, solubility, oxygen tension, Eh, pH and by the diffusion constant of the antibiotic in the case of plate diffusion assays. In plate diffusion assays the effect of varying the concentration of antibiotic, depth of agar, time and temperature of pre-incubation diffusion, and the size and nature of the inoculum, on the size and sharpness of the inhibition zone and the slope of the dose-response curve had been predicted from theoretical considerations which had been confirmed experimentally. A knowledge of the effect of those factors enabled sensitivity and precision of the assays to be controlled. A paper on "Practical Considerations of Microbiological Assay," was read by Mr. K. A. Lees, F.P.S., D.B.A. (Glaxo Laboratories, Ltd.). He discussed the practical advantages and disadvantages of tube and plate methods of microbiological



TECHNOLOGY AWARDS: Mr. V. F. Noel-Paton (chairman, T. & H. Smith, Ltd., manufacturing chemists, Edinburgh) presents the Scottish Technology Association award and bronze medal to Mr. J. Wilson at a presentation of medals and prizes gained by evening students of Heriot-Watt College, recently.

assay with particular reference to the day-to-day control of biochemical and physical variables in the assay laboratory. Established assay procedures and the principles involved in the assay of antibiotic mixtures were described.

## Chain Store Methods

### WHAT PRIVATE TRADERS CAN LEARN

THE private retail pharmacist should have learned a great deal from the marketing and business methods of efficient multiple companies and large organisations, said MR. F. LEWIS WATSON (managing director, Unichem, Ltd.) in the course of an address on "Vocational Service in Commercial Practice" at Godalming Rotary Club on May 22. Mr. Watson said that no one in private practice could fail to realise that it was becoming more and more important to deal with the impact of the multiple and chain store. That did not mean that businesses of that type should not be there. Undoubtedly the existence of both kinds of retail organisation made for the betterment of the community. If distribution costs were not cut the Government would step in, as the American Government was doing. Retailers should be organised to cut distribution costs—all distribution should be "trade-group organised."

## Production Exhibition

### INCREASED EFFICIENCY AN AIM

THE second Production Exhibition at Olympia, organised by Andry Montgomery, Ltd., in collaboration with the Institute of Production Engineers was opened by Mr. Iain Macleod (Minister of Labour and National Service) on May 23. The purpose of the exhibition was to demonstrate new ideas for increasing productivity and efficiency in industry—and all prospective exhibitors had to submit their ideas to a selection panel to prove that they were new and practical, 120 or so being successful. The exhibition was divided into the following sections:—Education and training, research and development, aids to production, metals, automation, and methods and means of production. The exhibition closed on May 31.

## Poliomyelitis

### "REASSURING FACTS" ON VACCINATION

THE memory of the unfortunate incident in the early trials of poliomyelitis vaccine in the United States still bulked unduly large in the minds of many parents in Britain, said MISS P. HORNSBY-SMITH (Parliamentary Secretary to the Ministry of Health) at St. Paul's Cray, Kent, recently. Since the tightening-up of the safety tests and precautions in the United States after that incident 10 million children had been vaccinated against polio without a single mishap. In Canada one million children had been protected without a single mishap. Those were vitally important and reassuring facts of which everyone should be aware. The British-made vaccine was being subjected to the most stringent safety tests known. Those tests went even further than the revised tests used in

the United States, and the same series of tests would also be carried out independently by the National Institute for Medical Research.

## SCOTTISH NEWS

### Conference Caterer

#### GIFT FROM LOCAL COMMITTEE

IN appreciation of his services as caterer at the 1955 British Pharmaceutical Conference at Aberdeen, the local committee presented an inscribed silver cigarette box to Mr. Alastair Laing on May 22. Mr. W. T. Elder (chairman of the committee) made the presentation. A winding-up meeting of the committee was held the same day.

## "No Export Subsidies"

#### MINISTER REJECTS SUGGESTION

AFTER having spoken at an Edinburgh Chamber of Commerce luncheon recently, on the need for still more exports, MR. A. R. W. LOW (Minister of State, Board of Trade) was told by MR. L. A. BAILEY (managing director, Ethicon Sutures, Ltd.) that exhortations by the Government were not enough. Mr. Bailey said that the Government had done nothing to encourage smaller firms to export, and suggested that there should be tax relief on export turnover. In reply, Mr. Low said there could be no export subsidies.

## IRISH NEWS

### Sterilisation

#### DEMONSTRATION IN BELFAST

OVER three hundred pharmacists attended a demonstration on sterilisation conducted in Belfast on May 18 by Messrs. G. E. McIlhagger and J. A. Strahan (deputy chief pharmacist and senior pharmacist, respectively, Royal Victoria Hospital, Belfast). The dispensing of preparations by aseptic technique was demonstrated, questions were invited. On the motion of MR. H. F. MOORE, a resolution of thanks was passed to Messrs. McIlhagger and Strahan, and to Professor J. H. Biggart (dean of the faculty of medicine) for granting the use of the lecture theatre. In support of the motion, MR. A. TEMPLETON (chairman, Local Pharmaceutical Committee) said that it was most gratifying to see so many pharmacists present and they were grateful to Messrs. McIlhagger and Strahan for preparing and presenting so excellent a demonstration. He urged pharmacists so to run their dispensing departments that they might be proud to have any member of the public inspect them at any moment of the day. MR. W. S. HALL (president, Ulster Chemists' Association) also paid tribute to Messrs. McIlhagger and Strahan, and said he was fortunate that during his year of office he had been able to meet so many members of the Association personally. He described briefly the difficulties of the executive committee and asked members for their forbearance when the committee could not give them the answer they desired to their individual complaints, since it must at all times act in the interest of the majority of members.

## NEWS IN BRIEF

THE Linnean gold medal for 1956 has been awarded to Professor William Henry Lang, F.R.S.

A SAFE at Boots, Ltd., 3 Station Buildings, Earls Court Road, London, S.W.5, was blown recently and £150 stolen.

ABERDEENSHIRE and Kincardine Medical Committee has recommended that prescriptions for sherry should be approved.

A HELICOPTER trip was one of the prizes at a dance held in London recently by the social club of Menley & James, Ltd.

BY the end of 1955 there was a surplus of recovered waste paper over its actual consumption, and the Waste Paper Recovery Association, Ltd., is advising all concerned to ease up on recovery "until the lines of supply are cleared."

RECENTLY elected officers of the Linnean Society for 1956-57 are: President, Dr. H. Hamshaw Thomas, F.R.S.; Treasurer, Sir Frederick Stern; Secretaries, Assistant Professor H. R. Hewer (zoology) and Dr. C. R. Metcalfe (botany).

THE second distribution of Polivirin (the poliomyelitis vaccine of Glaxo Laboratories, Ltd.) began on May 29; sufficient vaccine to enable the first 200,000 children who were vaccinated to have their follow-up injection is being dispatched by air, rail and road.

A CHEMICAL Engineering Research and Advisory Service Committee has been appointed by the Association of British Chemical Manufacturers, with Mr. Trefor Davies, B.Sc., F.R.I.C., M.I.Chem.E., as the committee's technical executive officer.

THE Institute of Packaging has elected Mr. James Morris (manager, adhesives division, Samuel Jones & Co., Ltd.) its Chairman for 1956-57, and Mr. John Castle (manager, sales development, Eburite Corrugated Containers, Ltd.) its Vice-chairman.

THE Medical Research Council has informed the Minister of Health that a conference of experts called to review the subject has affirmed that there is no evidence warranting alteration or abandonment of water fluoridation projects.

DIMOL medicinal paraffin and syrup has been added to category 6 of the list compiled by the Standing Joint Committee on the Classification of Proprietary Preparations; and Encynex has been transferred to category 4 from category 6. [Corrected note.]

BECAUSE of an acute housing shortage, Chanctonbury, Sussex, rural council has refused permission for the conversion of a private house into a pharmacy, going against a recommendation from its planning committee. Application had been made by Mr. R. H. Fleming, M.P.S.

THE central council of the Association of University Teachers resolved in Birmingham, on May 25, to call on the Government to grant permanent deferment from National Service to graduates and those holding similar

qualifications actively engaged in science and technology.

A RESOLUTION that manufacturers should be charged for space devoted to their products in window and counter displays was remitted to the executive of the Scottish Federation of Grocers and Provision Merchants at its conference at Rothesay, Bute, on May 22.

AN "open letter to the physicians of the United Kingdom" written by Dr. Herbert Berger (consultant to the United States Public Health Service) and published in the May bulletin of the Fellowship for Freedom in Medicine, urges doctors to bend every effort to ensure that the withdrawal of the ban on heroin is made permanent.

To increase production of ethylene and propylene derivatives, Petrochemicals, Ltd., have started work on an extension to their Partington plant, nr. Manchester. Expected to be in full operation by the middle of 1958, the new facilities include a plant for the production of about 25,000 tons per year of ethylene oxide.

A RESOLUTION condemning the Government for refusing to accept a Co-operative amendment to clause 20 of the Restrictive Trade Practices Bill was carried unanimously at the Co-operative Congress at Blackpool on May 22. [Clause 20 gives individual manufacturers power to stop the payment of dividend on the sale of their goods by co-operative societies.]

## SPORT

**Golf.**—LONDON CHEMISTS' GOLFING SOCIETY, at Verulam golf club, St. Albans, on May 27. *Medal Competition for Yardley Cup*, 1, G. T. Morson (14) 76; 2, W. N. Cockburn (8) 77; 3, B. F. Tisdall (10) 77; 4, H. A. Coward (16) 77. *Bogey Competition for Kerfoot Trophy*, 1, W. N. Cockburn (8) 3 down on bogey; 2, G. T. Morson (14) 3 down on bogey; E. G. Smith (16) 3 down on bogey.

## LOCAL OFFICERS

### PHARMACEUTICAL SOCIETY

**Aberdeen and North-eastern Scottish Branch.**—*Chairman*, Mr. R. J. Cowie; *Vice-chairman*, Mr. W. McNeill; *Treasurer*, Miss E. M. Ewen; *Secretary*, Mr. G. L. Dickie, 4 Deeside Terrace, Aberdeen.

**Newcastle and Northumberland Branch.**—*Chairman*, Miss E. Matthewson; *Vice-chairman*, Mr. J. Kerr; *Treasurer*, Mr. L. R. Renwick; *Secretary*, Mr. A. McGuckin, c/o 55 Grainger Street, Newcastle-on-Tyne, 1.

**Torquay Branch.**—*Chairman*, Mrs. P. G. Holmes; *Vice-chairman*, Mr. A. A. Baker; *Treasurer*, Mr. H. Holmes; *Secretary*, Mr. S. Wigglesworth, 87 Bamfield Road, Paignton.

### PHARMACEUTICAL ASSOCIATIONS

**South-west London Chemists' Association and Branch.**—*President*, Mr. M. Lewis; *Vice-president*, Mr. P. Dix, Miss C. E. Mozley-Stark; *Secretary*, Mr. H. R. Edgecombe, 77 Atlantic Road, London, S.W.9; *Assistant Secretary*, Mr. P. Dix; *Treasurer*, Mr. J. U. Warburton; *Secretary*, Miss C. E. Mozley-Stark.

**Manchester.**—*President*, Miss J. F. A. Lewis; *Vice-presidents*, Mr. J. Tomlinson, Mr. W. M. Cross; *Treasurer*, H. Burlinson; *Secretary*, A. E. Thorpe, 777 Stockport Road, Levenshulme, Manchester, 19.

### NATIONAL PHARMACEUTICAL UNION

**South-west London.**—*Chairman*, Mr. M. Lewis; *Treasurer*, Mr. J. U. Warburton; *Secretary*, Mr. H. R. Edgecombe, 77 Atlantic Road, London, S.W.9.

## TOPICAL REFLECTIONS

By Xrayser

### On the Square

With a devotion to duty which was wholly admirable, the Branch Representatives of the Pharmaceutical Society, whose thoughts on May 17 must occasionally have strayed to a certain Oval on the south bank of the Thames, remained loyally at their posts in a square on the opposite bank, and on the whole they were not unrewarded. The resolutions ranged over a wide variety of subjects, and for the most part the voting indicated a well-developed sense of professional responsibility and a well-marked disinclination to support unsound convictions vehemently expressed. The question of the position of those holding a degree in pharmacy appeared to cause a certain amount of disquiet, and the members favoured facilitating the admission of graduates to the register. I think it would be extremely unwise to make admission too easy of attainment. Most of those who graduate do not have any leanings in the direction of retail pharmacy. If they do, then they should comply with the conditions laid down for registration. But even on the manufacturing side registration is not without its advantages. Part III (i) of the Pharmacy and Poisons Act, 1933, authorises the Secretary of State to make rules, after consultation with the Poisons Board, requiring those *in control* of the manufacture of pharmaceutical preparations containing poisons, to be registered pharmacists or persons possessing the prescribed qualification in chemistry.

### Professional Conduct

The resolutions in the names of the North Staffordshire and Edinburgh branches approached the same question from different standpoints. The former, with its amendment from the South-west Metropolitan, took exception to the Council of the Society superimposing conditions of sale which went, in the case of methyl pentynol, beyond the strictly legal requirements. Both motion and amendment were lost, indicating that the members present were not in conflict with the Council and had not departed in principle from the Code voluntarily accepted at previous meetings. The Edinburgh motion, upbraiding the Council for a certain vagueness in its pronouncements on the subject and calling for greater clarity, was accepted by the registrar and carried by the meeting. In this also the meeting showed consistency, and the Council should take courage from the clear mandate offered. Clearly the representatives are not going to remain satisfied with a code of ethics which is merely framed and hung on the wall. They expect action.

### The Changing Pattern

I am old enough to remember a dwindling band of "knights of the road" who were in the nature of a hang-over from the nineteenth century. They were an impressive body of men who perforce had an intimate acquaintance with Bradshaw, since their means of locomotion was of necessity the train. But railway travel and enforced leisure at junctions enabled some of them to read other forms of literature than mere timetables, and I can recall several who were extremely well-read and who exhibited a culture in those more spacious days when the sales graph was not the centre-piece on the stage. A few, in my recollection, appeared resplendent in top-hat, and were generally accompanied by a stout leather bag and an umbrella. One or two of them were still adorned with a patriarchal beard and looked ready at any moment to take their place with the saints. Today there is no waiting at railway junctions. There is no opportunity to read during a journey—a car is speedy and efficient, though under modern conditions it scarcely permits even of meditation. And so many hours have to be devoted to record-filling that the whole approach inevitably has altered. The modern knight, hatless and beardless, carries a brief-case and contrives to look as though he had just left a meeting of the Cabinet, but alas! his conversation is statistical and astronomical in its reference to "potential viewers" and readers of advertisements.

# BRITISH PHARMACOPÆIA, 1958

## Lists of proposed deletions and additions

THE following lists of proposed omissions of British Pharmacopœia, 1953, monographs from, and additions of new monographs to, the B.P., 1958, have been issued by the B.P. Commission. Some substances not shown in the list are still under examination.

### Deletions

Mucilage of acacia	Injection of menaphthone
Tablets of acetylsalicylic acid and phenacetin —of acetylsalicylic acid with ipecacuanha and opium	Mepacrine methanesulphonate (and injection)
Volatile bitter almond oil	Mercuric chloride solution
Aloin	Strong and dilute ointments of mercuric nitrate
Aromatic spirit of ammonia	Mercuric oxycyanide
Strong and dilute solutions of ammonium acetate	Oleated mercury (and ointment)
Ammonium bicarbonate	Mercurous chloride (and tablets)
Amyl nitrite	Mercury (and ointment and dilute ointment)
Amylene hydrate	Mersalyl
Arsenic trioxide	Methacholine chloride
Arsenical solution	Methylphenobarbitone
Eye ointment of atropine with mercuric oxide	Injection of morphine and atropine
Lamellæ of atropine	Neosarsparamine (and injection)
Barbitone (and tablets)	Nitric acid
Belladonna root (and liquid extract)	Nutmeg (and oil)
Precipitated bismuth (and injection)	Dry extract of (and prepared) nux vomica
Bismuth carbonate, salicylate and subgalate	Orthocaine
Ointment of boric acid	Oxophenarsine hydrochloride
Butyl aminobenzoate	Oxophenarsine tartrate
Caffeine	Paracain
Calcium chloride (and phosphate)	Amorphous penicillin (and cream, eye ointment, lozenges and ointment)
Ammoniated liniment of camphor	Emulsion of peppermint
Carbon tetrachloride (and capsules)	Pepsin
Aromatic powder of chalk (and with opium)	Tablets of phenacetin
Chenopodium oil	Phenadoxone hydrochloride (and tablets)
Chloramine	Phenolphthalein (and tablets)
Emulsion of chloroform	Lamellæ of physostigmine
Cinchophen	Quassia (and concentrated infusion, infusion and fresh infusion)
Clove	Liquid extract of quillaia
Lamellæ of cocaine	Injection of quinine and urethane
Emulsion of cod-liver oil	Compound powder of rhubarb
Creosote	Liquid extract of senna (and syrup)
Decamethonium iodide	Tablets of potassium bromide
Tincture of digitalis	Compound injection of sodium chloride
Diphenan	Sodium potassium tartrate (and compound effervescent powder)
Spirit of ether	Streptomycin hydrochloride (and injection)
Fennel	Streptomycin-calcium chloride (and injection)
Solution of ferric chloride	Sulphanilamide (and tablets)
Liquid glucose	Sulpharsparamine (and injection)
Serum gonadotrophin (and injection)	Sulphathiazole sodium (and injection)
Dry extract of hamamelis	Suppositories
Hexobarbitone (and sodium; and sodium injection)	
Lamellæ of homatropine	
Hydnocarpus oil (and injection) (and ethyl esters of the oil and injection of the ethyl esters)	
Iodophthalicin	
Lamellæ	
Lavender oil	
Lemon oil	
Compound powder of liquorice	

Theobromine and sodium salicylate	Tribromethyl alcohol (bromethol)	—tablets
Totaquine	Zinc peroxide	Macrogol 1500 (and 4000)
<b>Additions</b>		
Acetazolamide (and tablets)	Cinchocaine lozenges	Menaphthone sodium disulphite (and injection)
Aluminium hydroxide gel (and dried)	Colchicine tablets	Mephenesin (and injection and tablets)
Aluminium hydroxide tablets	Cyclobarbitalone (and tablets)	Methadone injection
Aminophylline suppositories	Dapsone (and tablets)	Methylergometrine maleate
Amiodiaquine hydrochloride (and amodiaquine tablets)	Dexamphetamine sulphate (and tablets)	—Injection
Dihydrotachysterol (and solution)	Dihydronhydrinate (and tablets)	Mustine hydrochloride —injection
Amylbarbitone (and tablets)	Diphenhydramine hydrochloride	Naphazoline nitrate
Antazoline hydrochloride (and antazoline tablets)	—capsules	Neomycin (and ointment)
Azovan blue	Diphtheria-tetanus-whooing-cough prophylactic	Neostigmine tablets
Bacitracin	Absorbable dusting powder	Noradrenaline acid tartrate
Benzalkonium chloride	Emetine and bismuth iodide tablets	—injection
Benzhexol hydrochloride (and benzhexol tablets)	Erythromycin dihydrate	Oxytetracycline injection
Human gamma globulin	—tablets	Paclamethadione (and capsules)
Butobarbitone (and tablets)	Ethopropazine hydrochloride	Benzathine penicillin (and tablets)
Caramiphen hydrochloride (and caramiphen tablets)	—tablets	Pentamidine isethionate —injection
Carbromal (and tablets)	Ethyl biscoumacetate tablets	Pentolinium tartrate —injection (and tablets)
Surgical ligatures and sutures	Ethylenediamine Eye drops	Phenindamine tartrate —tablets
Oxidised cellulose	Folic acid tablets	Phenylbutazone tablets
Cetomacrogol 1000	Absorbable gelatin sponge	Phenylephrine hydrochloride
Cetomacrogol emulsifying wax	Hexylresorcinol (and capsules)	Phthalylsulphathiazole (and tablets)
Chinifon sodium tablets	Hyaluronidase (and injection)	Piperazine adipate (and tablets)
Chlorcyclizine hydrochloride	Hydrocortisone (and injection)	Polymyxin B sulphate tablets
Chlorcyclizine tablets	Hydrocortisone acetate (and eye ointment, injection, and ointment)	Potassium chloride tablets
Chloroquine phosphate (and sulphate injections)	Hydrocortisone acetate (and eye ointment, injection, and ointment)	Prednisolone (and tablets)
Chlorpromazine hydrochloride	Hydrocortisone acetate (and eye ointment, injection, and ointment)	Prednisolone acetate (and tablets)
Chlorpromazine injection (and tablets)	Hydrocortisone acetate (and eye ointment, injection, and ointment)	Pradrinsone acetate (and tablets)
Chlortetracycline capsules (and injection)	Hydrocortisone acetate (and eye ointment, injection, and ointment)	Primaquine phosphate —tablets
	Hydrogen peroxide solution (30 per cent.)	Hydrogen peroxide solution (30 per cent.)
	Injections	Procainamide hydrochloride —injection
	Lucanthone hydrochloride	Procyclidine hydrochloride
		Zinc undecenoate (and ointment)

## HEALTH SERVICE ACCOUNTS, 1954-55

### Pharmaceutical services costs

THE National Health Service summarised accounts, 1954-55, for England and Wales and for Scotland were published separately recently by H.M. Stationery Office price 2s. 6d. and 1s. 9d. each, respectively.

In ENGLAND AND WALES, pharmacists were paid for normal services £45,496,588 (an increase of £1,285,193). There were also special interim payments of £1,525,513.

In ENGLAND, drugs and dressings in acute hospitals administered by management committees cost £5,277,010 (5·4 per cent. of total maintenance expenditure). For mental illness hospitals that cost was £387,029 (1 per cent. of total maintenance expenditure). For all types of committee-managed hospitals, drugs and dressings expenditure was £7,495,752 (3·6 per cent. of total maintenance expenditure); for all types of board-managed hospitals, expenditure was £1,618,759 (4·2 per cent.).

In WALES, the drugs and dressings in acute hospitals under hospital management committees cost £354,445 (5·7 per cent. of total maintenance expenditure). For mental illness hospitals that cost was £23,649 (1 per cent.). For all types of committee-managed hospitals, drugs and dressings expenditure was £516,220 (4 per cent. of total expenditure); for all types of board-managed hospitals that expenditure was £46,348 (4·9 per cent.).

In SCOTLAND, pharmacists were paid £5,805,794, an increase of £237,239 compared with 1953-54. Pharmacists' salaries, etc., at the Sighthill, Edinburgh, Health Centre amounted to £1,010 compared with one pharmacist's salary, etc., of £646 the year before. The cost of drugs and appliances at the Centre was £3,399 (£1,779). Drugs and dressings in Scottish hospitals cost £1,556,914 (5·3 per cent. of total running costs).

# SCOTTISH EXECUTIVE ELECTION

## Who the candidates are



Mr. W. C. D. Bain



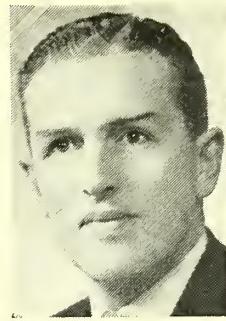
Mr. J. W. Goodchild



Mr. W. Hennigan



Mr. F. Hepburn



Mr. S. Hughan

THE nine candidates for election to the Executive of the Scottish Department of the Pharmaceutical Society on June 12 are:

**BAIN, W. C. D., Aberdeen.**

QUALIFIED 1933. Proprietor pharmacist. A member of the Scottish Executive since 1953, and a member of committee, Aberdeen and North-Eastern Scottish Branch, Pharmaceutical Society. Entertainments convener, local committee, British Pharmaceutical Conference, Aberdeen, 1955. For the past four years president, Aberdeen Pharmaceutical Association and present chairman, Local Pharmaceutical Committee. A member of the Pharmaceutical General Council (Scotland).

**GOODCHILD, J. W.,  
Brightons-by-Falkirk.**

QUALIFIED 1932, and has been in retail pharmacy for thirty-two years, as a proprietor since 1945. A member of committee of the Stirling and Central Scottish Branch of the Society and chairman, Local Pharmaceutical Committee. A member of the Pharmaceutical General Council (Scotland) and of its Standing Committee.

**HENNIGAN, W., Edinburgh.**

QUALIFIED 1946. After a period as a retail pharmacy manager, joined Raimes, Clark & Co., Ltd., Edinburgh, as laboratory manager, and was later appointed a director. A member of committee of the Edinburgh and South-eastern Scottish Branch of the Society.

**HEPBURN, Frank, Edinburgh.**

QUALIFIED 1931 and also holds the Diploma in Biochemical Analysis. A member of the Scottish Executive since 1952 and a past chairman of the Edinburgh and South-eastern Scottish Branch of the Society. A member, Edinburgh Pharmaceutical Committee, the Pharmaceutical General Council (Scotland), the Pharmaceutical Standing Committee (Scotland) and the Pharmaceutical Whitley Council Committee B.

**HUGHAN, S., Glasgow.**

QUALIFIED 1935. Has had retail experience in Ashington, Newcastle, Edinburgh and Glasgow and is now a



Mr. C. W. Macfarlane



Mr. M. S. Maconochie



Mr. A. Officer

representative of Bengers Laboratories, Ltd., in Scotland and Northern Ireland. A member of the Scottish Executive since 1949 and its chairman, 1953-55. Chairman of the Glasgow and South-western Scottish Branch of the Society 1948-50, and chairman of the local committee of the British Pharmaceutical Conference, Glasgow, 1950.

**MACFARLANE, C. W., Dundee.**

QUALIFIED 1924. Proprietor pharmacist. Has recently retired from the Society's Council after six years' service, and has been a member of the Scottish Executive since 1946, being its chairman, 1949-51. A member of the Joint Formulary Committee. A former secretary of the Dundee and Eastern Scottish Branch of the Society. A member, Dundee Pharmaceutical Committee and of Dundee Executive Council. Was for some years a member of the Pharmaceutical General Council (Scotland) and of its Standing Committee.

**MACONOCHEE, M. S., Dundee.**

QUALIFIED 1926. Proprietor pharmacist. A former member of the Scottish Executive and immediate past-chairman of the Dundee and Eastern Scottish Branch of the Society. Secretary, Dundee Pharmaceutical Committee.

**OFFICER, Andrew, Glasgow.**

QUALIFIED 1919. Proprietor pharmacist in Glasgow since 1926. A member, Scottish Executive since 1953. A past-chairman, Glasgow and South-western Scottish Branch of the Society, and for some years its secretary and treasurer. A member, Local Pharmaceutical Committee, the Pharmaceutical General

Council (Scotland), and its Standing Committee. A member, Glasgow Executive Council. President, Scottish Pharmaceutical Federation and a member of the Scottish Chemists Federation Committee and Chemists Federation Council.

**REID, Arthur, Motherwell.**

QUALIFIED 1929 and has been in business in Motherwell since then. A member, Lanarkshire Pharmaceutical Committee and chairman, Motherwell Chemists' Committee.

## A PHARMACIST'S SIGN



3. The painted gable end of Cooks (Lincoln), Ltd., 10 Sincil Street, Lincoln.

## LEGAL REPORTS

### Drugs Act Fine

AT Leicester recently, John Richardson & Co., Ltd., were found guilty of selling two bottles of compound glycerin of thymol 41 per cent. deficient in glycerin. They were fined £5. For the defence it was stated that the company had had only one previous conviction in its 170 years of existence; a mistake must have been made in diluting the substance from its original concentrated state.

### Drugs by False Pretences

AT Lowestoft magistrates' court recently, Kenneth S. A. Ellis, described as unemployed and of no fixed address, was charged with obtaining food and drugs by falsely pretending to be in need of medical treatment between April 13 and April 16. Ellis pleaded guilty; also to a similar charge based on treatment at Norfolk and Norwich Hospital between April 9 and April 13. He was remanded in custody for medical examination.

### Thefts from Chemists

AT Derby borough magistrates' court, on May 8, Leslie Cleaver, clerk, Littleover, was charged with stealing four tins of tablets and twenty inhalers, value £5 6s. 6d., the property of Mr. Geoffrey Norman Firth, M.P.S., 21 Friargate, Derby. Cleaver, who asked for seven other offences to be taken into consideration, was fined £10, and given a month in which to pay. A detective-sergeant said the matter had been brought to the notice of the police after a chemist had become suspicious. In a statement, Cleaver admitted "pinching the stuff" since before Christmas 1955. Three of the seven other offences Cleaver asked to be taken into account were for stealing, four were for false pretences (he obtained money from chemists for the goods he had stolen).

### Pharmacy Act Prosecutions

AT Birmingham stipendiary magistrates' court, on May 10, a number of chemists were summoned for having sold Oblivon without a "poison" label on the container; selling it to a person whom they did not know; and selling it in a container that did not bear the name and address of the chemist. Three were additionally charged with failing to make an entry of the purchase in the poisons book. Rushton's Pharmacies, 1088 Stratford Road, Hall Green, Birmingham, were fined 50s. with £6 6s. 0d. costs, on five summonses. Their manager, Mr. Harry Axe, was fined 50s. on five summonses for aiding and abetting. E. A. Shipton, Ltd., 102 Wheeler Street, Lozells, Birmingham, were given an absolute discharge after pleading guilty to three summonses; they were ordered to pay £3 3s. costs. Edgar Roy Smith, 38 Bourneville Lane, Stirchley, Birmingham, who pleaded not guilty to three summonses, was found guilty but given an absolute discharge and ordered to pay £3 3s. costs. William Michael Bruckshaw, 148 Highfield Road, Hall Green, Birmingham, who pleaded guilty to

three summonses, was also given an absolute discharge and ordered to pay £3 3s. costs. Solicitor for the Pharmaceutical Society, which brought the actions, said that a woman, accompanied by one of the society's inspectors, visited a large number of chemists' shops in Birmingham. In the four cases before the court they found irregularities. Mr. Maitland Coley, for Rushton's Pharmacies, admitted the mistake, but said the drug was not a dangerous drug. The woman who made the purchase was being used by the Society as a "decoy," but Mr. Axe thought she was perhaps about to visit the dentist. He sold her four capsules—only one dose.

## NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office.

GEORGE PHARMACY (HOVE) LTD. (P.C.)—Capital £2,000. To carry on the business of retail chemists and druggists, etc. Directors: Stanley F. George, M.P.S. and Ronald P. George, M.P.S., 163 Goldstone Crescent, Hove, 4. R.O.: 9 George Street, Hove, 3.

MODEL CHEMISTS, LTD.—(P.C.)—Registered in Belfast. Capital £1,000. To carry on the business of chemists, druggists, etc. Directors: Patrick J. Shields, M.P.S.N.I., and (Mrs.) A. Chambers. R.O.: 2 Charlemont Square, Bessbrook, co. Down.

SELBY HOLDINGS, LTD. (P.C.)—Capital £5,000. To carry on the business of provision merchants, chemists and general storekeepers, etc. Directors: Viscount Selby and Dorothy Lowe. Solicitors: Arnold Carter & Co., 38 Chancery Lane, London, W.C.2.

ROY CHEW, LTD. (P.C.)—Capital £3,000. To carry on the business of chemists and druggists, opticians, etc. Directors: Roy O. Chew, M.P.S. and Dudley L. S. Taylor, M.P.S. R.O.: 132 Remembrance Road, Willenhall, Coventry.

TYRRELL & JONES, LTD. (P.C.)—Capital £8,000. To carry on the business of chemists, etc. Directors: Ronald L. Tyrrell, M.P.S. and Albert Jones, M.P.S., 64 Cuthbert Road, Westgate on Sea, Margate. Secretary: Eva M. Tyrrell. R.O.: 97 Canterbury Road, Margate, Kent.

RUSTAT PHARMACEUTICALS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturing chemists and druggists, etc. Directors: Arthur Firth, M.P.S. (director, H. & T. Kirby & Co., Ltd.) and Doris W. Day. R.O.: 203 Whitchurch Lane, Edgware, Middlesex.

HARCOURT WORDSWORTH, LTD. (P.C.)—Capital £100. To carry on the business of analytical chemists and bacteriologists, etc. Directors: Charles H. Wordsworth, Mary J. H. Wordsworth and Clifford J. Saunders. R.O.: 41 Wear Bay Road, Folkestone, Kent.

## Company News

EVANS MEDICAL SUPPLIES, LTD., announce the formation of a new subsidiary company—Evans Medical (Nigeria), Ltd., with offices in Lagos. The managing director is Mr. F. J. Warner.

WELLCOME FOUNDATION, LTD., announce that their subsidiary, Burroughs Wellcome & Co. (U.S.A.), Inc., has appointed Brigadier-General John R. Wood its director of research at the Wellcome Research Laboratories, Tuckahoe, New York. General Wood, who will take up his appointment on August 1, is at present director of the Walter Reed Army Institute in Washington.

PEKIN SYNDICATE, LTD.—Proposals to amalgamate all classes of the company's capital into one class with uniform voting rights are to be considered on June 13. After reorganisation, the capital will consist of 3,314,192 Ordinary shares of 5s. of which 1,981,622 shares will be issued and held by present members. The next group accounts will cover a 16-month period to April 30, 1956. Provisional figures for the year 1955 indicate that, in spite of the low level of profits for Biddle, Sawyer & Co., Ltd., the main subsidiary, the consolidated profits will, as a result of certain non-recurring items, be only slightly less than for the previous year.

## BUSINESS CHANGES

MR. F. E. WALKER, M.P.S., has opened a pharmacy at 467 Dudley Road, Birmingham.

MR. K. W. SEALEY, M.P.S., has opened a pharmacy at Stockwell Drive, Mangotsfield, Bristol.

A. E. STANNARD, LTD., have removed to Station Road, Haslemere, Surrey (telephone: Haslemere 1219).

R.C.A. GREAT BRITAIN, LTD., is the new title of R.C.A. Photophone, Ltd., Lincoln Way, Windmill Road, Sunbury-on-Thames, Middlesex.

PULLIN OPTICAL CO., LTD., have removed to Electrin House, 93 New Cavendish Street, London, W.1 (telephone: Langham 4551-56).

HODDERS, LTD., Bristol, have acquired the business of Lewis Wing, Ltd., 86 Regent Street, Weston-super-Mare. A branch of Messrs. Wing at 8 Boulevard, Weston-super-Mare, is being conducted by Strode Cosh & Penfold, Ltd. (a subsidiary of Messrs. Hodders).

## Appointments

WHIFFEN & SONS, LTD. (industrial and pharmaceutical division, Fisons, Ltd.), North West House, Marylebone Road, London, N.W.1, have appointed Mr. J. Churchill their pharmaceutical representative for the South of England. Mr. Churchill was for a number of years with Thomas Tyre & Co., Ltd., and later the assistant sales manager, fine chemicals division, Albright & Wilson, Ltd.

TONI COSMETICS, Harlequin Avenue, Brentford, Middlesex, have appointed Mr. W. A. Turner (previously district sales manager (northern)), their manager in the brand and advertising department at head office. Mr. P. P. Young succeeds him in the Manchester office and Mr. R. J. Beecham takes over the duties of district sales manager (Scotland), working from the Glasgow office.

## DEATHS

BEGG.—In London on May 23, Mr. Norman Darroch Begg, M.D., D.P.H., regional director for Europe of the World Health Organisation.

BODDY.—Recently, Mr. Henry Boddy, M.P.S., 163 Cannon Street, Middlesbrough, Yorks. Mr. Boddy qualified in 1925.

DANCE.—On May 23, Mr. Gilbert Abel Dance, M.P.S., 12 College Road, Kensal Rise, London, N.W.10, aged seventy-eight.

EVANS.—Recently, Mr. Thomas Archibald Evans, Elm Tree, Langstone, nr. Newport, Mon. Mr. Evans qualified as a chemist and druggist in 1912.

FRANCIS.—On May 9, Mr. William Daniel Caleb Francis, M.P.S., Garden House, Newton Lane, St. Faith's, nr. Norwich, Norfolk. Mr. Francis qualified in 1907.

GREEN.—Recently, Mr. George Turton Green, M.P.S., The Little House, Shiplake, Henley-on-Thames, Oxon, aged eighty-four. Mr. Green was a native of Stourbridge, Worcs. He went to Henley-on-Thames in 1895 and took over a pharmacy in Bell Street, subsequently moving to premises on the Duke Street—Market Place corner and retiring some years ago. In 1907 he was elected a member of the Henley council and became an alderman in 1937, serving without a break until his retirement in 1955. He was mayor of Henley in 1912. In 1932 he joined the Oxfordshire county council and was later elected an alderman. He retired from that body eighteen months ago.

HARBURN.—On May 7, Mr. William Moore Harburn, M.P.S., 72 Newgate Street, Bishop Auckland. Mr. Harburn qualified in 1906.

HASWELL.—On December 1, 1955, Miss Elsie Constance Mary Haswell, M.P.S., c/o Miss M. B. Laidge, 150 Holly Lodge Mansions, London, N.6. Miss Haswell qualified in 1929.

HUME.—On May 19, Mr. W. S. Hume, aged seventy-six. Mr. Hume was secretary, Ayrton, Saunders & Co., Ltd., from 1943 until his retirement in 1950 and prior to that he had been office manager for many years. He had a fund of knowledge of Liverpool's history and some reputation as a local historian. He had celebrated his golden wedding only a few days before his death.

LEWIS.—At Kingston Hospital on May 19, Mr. Harold Lewis, F.R.I.C., M.I.Chem.E. Mr. Lewis was secretary of Du Pont Co. (United Kingdom), Ltd.

SMITH.—On May 16, Mr. James Smith, M.P.S., 1 Beverley Gardens, Wembley Park, Middlesex, aged eighty-two. Mr. Smith was manager of a pharmacy in Hillingdon until he retired four years ago.

WHITELEY.—On May 24, Miss Martha Annie Whiteley, O.B.E., D.Sc., F.R.I.C., Flat 2, 4 Roland Gardens, London, S.W.7, aged eighty-nine. Dr.

Whiteley was editor of the fourth edition of *Thorpe's Dictionary of Applied Chemistry*, which was completed by the issue of the general index only a few months before her death. She was connected with the production of that work in its last three editions for the greater part of her working life. After studying at Kensington High School and at Royal Holloway College (1887-91), Miss Whiteley became science mistress at Wimbledon High School, where she remained until 1900; she was then science lecturer at St. Gabriel's Training College for two years. During the latter part of that period Miss Whiteley's long association with the Royal College of Science began; she eventually joined its staff in 1903 and remained at the College until 1934, the last fourteen years as assistant professor of organic chemistry, crowning a fruitful career in teaching and fundamental research. During the 1914-18 war, Dr. Whiteley was associated with the late Sir Jocelyn Thorpe in a number of research projects of national importance; she contributed substantially to the synthesis of drugs of which supplies had been cut off by the war, and also took part in research on chemical warfare agents, particularly tear gas. She was co-author, with Sir Jocelyn Thorpe, of *A Student's Manual of Organic Chemical Analysis*, which became a standard text-book.

## PERSONALITIES

ALDERMAN F. H. SWIRE, M.P.S., has been elected mayor of Halifax, and vice-chairman of its health committee for 1956-57.

THE engagement is announced from Toronto of Robin Hugh Berens, younger son of Mr. and Mrs. Herbert A. Berens, Holm Oaks, Chalfont St. Giles, to Editha Ann James, Arima, Parkstone, Dorset.

SIR ALEXANDER FLECK (chairman, Imperial Chemical Industries, Ltd.), is being awarded the honorary degree of Doctor of Science at Oxford University on October 18.

MR. H. J. HEINZ II, president of the H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, was the subject of a centre-page feature article in the *Daily Mail* on May 28.

MRS. K. G. MOIR, M.P.S. (pharmacist, Gravesend and North Kent Hospi-

tal), has been elected president of the Gravesend Soroptomists Branch of the Federation of Soroptomists Clubs of Great Britain and Ireland.

MR. BERNARD M. KELLY, M.P.S., who was recently elected president of Liverpool Chemists' Association and chairman of Liverpool Branch of the Pharmaceutical Society, is proprietor of Lloyds, Garston, Liverpool. He qualified in 1927. After managing pharmacies in Llandrindod and Aberystwyth, he acquired in 1939 the business at Garston which was established eighty-six years ago. Mr. Kelly is a Fellow of the Spectacle Makers' Company, and of the British Optical Association. He has been a member of the council of the Liverpool Chemists' Association and committee of the Liverpool Branch of the Society for many years and is a former secretary. For the past two years he has been vice-president of the Association and vice-chairman of the Branch.

## INQUEST

**Mole-killer Suicide.**—At a resumed inquest at Pwllheli, on May 10, on Elizabeth Roberts, aged twenty-two, Hendre Feinws, Fourcrosses, Pwllheli, the coroner recorded that she had committed suicide while the balance of mind was disturbed. The girl's father, a widower, said that Elizabeth looked after a family of eight. While going with a neighbouring farmer on a round of the sheep he came across Elizabeth lying on her side in a farm building with her head resting on her arm. She was in her working clothes. "I thought she was asleep," he said. By her side he discovered an empty bottle in which he had kept strichnine to kill moles. A note protruded from her overall pocket. A report from the forensic science laboratory at Preston stated that 48 grains of strichnine was found in the girl's organs.



AMERICAN DIRECTOR'S VISIT: Dr. W. C. Mende (director of pharmaceutical development, Ortho Research Foundation, New Jersey, U.S.A.) photographed while on a visit to Ortho Pharmaceutical, Ltd., High Wycombe, England. With him are Mr. E. G. Fidler (pharmaceutical director of the British company), Mr. F. E. Blaxland (compounding supervisor) and Mr. L. J. F. Preddy (production chemist).

## TRADE NOTES

**Staff Outing.** — The premises of Bengu & Co., Ltd., Mount Pleasant, Alperton, Wembley, will be closed on June 5 for the company's staff outing.

**Carriage-free Limit Raised.** — Vitamins, Ltd., Upper Mall, London, W.6, announce that, from June 4, their carriage-free order limit is being raised from £2 to £3.

**Colour Rinse in Trial Size.** — Raymond colour rinse is now available in a trial size containing enough for about twenty rinses. It is distributed by Warner, Harvey & Co., Ltd., 28B Albemarle Street, London, W.1.

**Display Pack.** — John Bell, Hills & Lucas, Ltd., have made available a new display and sales unit for their Bron-tan non-greasy protective cream. The unit comprises a colourful showcard, size 11 x 9½ in., with built-in cardboard tray for holding twelve tubes.

**Lawn Weed-killer.** — Mayborn Products, Ltd., Berryman's Lane, London, S.E.26, have been granted sole selling rights for Killer Kane lawn weed-killing applicator and Killer Kane Kartidge tablets for the United Kingdom, Eire, the continent of Europe, and Africa.

**Concentration on Three Products.** — Blyton, Astley & Co., Ltd., 24 Milton Street, Lower Broughton, Manchester, are devoting the whole of their manufacturing capacity to their I.G.T. Safeguards, Digestells and Doctor's catarrh pastilles and discontinuing the sale of unbranded pastilles and lozenges.

**Now Taxed at 90 per cent.** — HDG (PHARMACEUTICALS), LTD., Hungar House, Great George Street, Leeds, 1, point out that their Naturelle Coolwave and Naturelle twinkle glints, twinkle dust and lacquer are now taxed at 90 per cent. — ROSEDALE (PRODUCTS), LTD., Birkbeck Road, Dalston, London, E.8, announce that the wholesale and retail prices of Rosedale lacquer have been increased owing to the raising of the purchase tax rate to 90 per cent.

**Additional Sizes.** — Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce the availability of the following additional packs of Intraval sodium brand thiopentone sodium, B.P.: 2·5-gm. bottle; 0·5-gm. ampoules; six and twenty-five 0·5-gm. ampoules with six and twenty-five 20-c.c. ampoules of water for injection. They have also introduced an additional pack (fifty 100-mgm. tablets) of Largactil.

**Free Sample Offer.** — Each purchaser of 3 doz. bottles of Lockwoods vitamin-C drinks (raspberry, orange or pineapple) receives also 3 doz. free samples and a showpiece inviting the customer to buy the full-size bottle and receive the trial bottle free. The manufacturers are Eastern Counties Preserves (1940), Ltd., Long Sutton, Lincs, but orders and inquiries should be placed with the sole agents, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1. New prices came into operation on June 1.

**Competition Prize-winners.** — Prize-winners in a flashlight competition organised by Johnsons of Hendon,

Ltd., London, N.W.4, were: Three first prizes of £10 each: Messrs. R. C. Selley, 350 Church Road, Yardley, Birmingham, 25; A. W. Bull, 133 Musters Road, West Bridgford, Notts; and W. Angus Emond, Broomfield, Selkirk, Scotland. There were also five second prizes of £5 each, eight third prizes of £3 each, twenty fourth prizes of 21s. each, and eight consolation prizes.

**Premium Offer.** — Following the announcement of a price reduction in Chappie dog foods, the manufacturers, Chappie, Ltd., Melton Mowbray, Leics, are making a special premium offer to retailers. From June 1, each case of full-diet Chappie includes a voucher and retailers who send in to the manufacturers two vouchers and a cheque or Postal Order for 3s. 6d. will receive in return a felt-nibbed Flo-master pen valued at 26s. 5d. The Flo-master writes on glass, metal, paper, wood, or wax wrappers.

**Seasonable Counter Display.** — Counter display stand illustrated is available to stockists of Guesarex from the Geigy Co., Ltd., Rhodes, Middleton, Manchester. Guesarex protects



and provide the perfume in bulk free of charge, the retailer thus receiving his percentage as a net income, without cost.

**Cheques to Prize-winners.** — Two cheques for £100 each were presented on May 17 to Mr. Robert William Oakley Stevens, M.P.S., 100 South Norwood Hill, London, S.E.25, as a result of a slogan advertising competi-



vegetables, flowers and fruit against insect pests of both the sucking and biting varieties and against fungal diseases. The puffer canister contains enough to last the average gardener for a whole season. Guesarex (see C. & D., April 7, p. 234) is marketed in Great Britain by Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, Lancs.

**Press-button Perfume Sprayer.** — The Master-Matic perfume machine, the proprietors of which are the Master Vending Machine Co., Ltd., 80 Wardour Street, London, W.1, provides a spray of perfume to the person inserting a coin in the slot. She is offered a choice of four different scents, taken from a range of twenty, including Atkinson's Bal des Fleurs and Light Heart, Picot's Pagan, Delavelle's Blue Orchid and Devon Violet, Saville's Tutu and June, Delage's Moi-Même and Suka Hati, and Goya's Black Rose, from which the makers can draw. The machines are installed on the basis that Messrs. Master Vending Machine pay 25 per cent. of the gross takings to the site-owner (i.e. the retailer), install the machine, service it,

tion organised by Beecham Foods, Ltd., manufacturers of Lucozade. Mr. Stevens was called up a month ago for National Service and is stationed at Crookham, Hants, with E Training Company, Royal Army Medical Corps. Until then Mr. Stevens was employed at the business of W. Coutts-Evans, Ltd., 95 The Broadway, West Ealing. He had won £100 in the regional and a second £100 in the national competitions. The following chemists also won cash prizes in the competition: Messrs. R. Shepperd, Bradford, Yorks; and J. B. Badger, Sheffield, 5; Miss Ruth Bagnell, London, N.9; Messrs. L. Bradbury, Walsall, Staffs; and Donald Gunn, Weston-super-Mare; Miss A. M. Daniel, Blackpool; and Mr. J. S. Kyle, 11 Shore Road, Belfast, Northern Ireland.

### Bonus Offers

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1. Valpeda antiseptic foot balm. 5 per cent. extra in return for display.

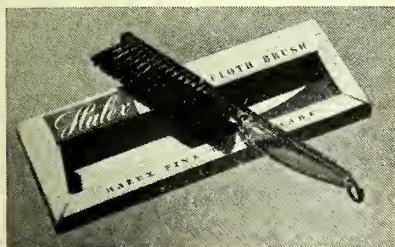
SMITH & NEPHEW, LTD., Bessemer Road, Welwyn Garden City, Herts. Nivea sun preparations. 1 doz. tins Nivea crème on every £2 10s. worth (at trade prices) of Nivea Sunflita and Nivea sunning oil (any quantity of Nivea crème or other Nivea product may be added, each additional £2 10s. worth bringing a further bonus of 1 doz. tins Nivea crème). Between June 1 and July 14. Replaces Nivea crème bonus offer that closed on May 31.

## NEW PRODUCTS AND PACKS

**Single-treatment Sachet.** — A new single-treatment sachet has just been introduced for Loxene, the medicated shampoo and scalp treatment launched just over a year ago by F. W. Hampshire, Ltd., Sunnydale, Derby.

**Denture Cleaner.** — Dentiline denture cleaner, to be launched in the national Press on July 2, is described by the makers, Eucryl, Ltd., Southampton, as "a quicker, easier better way" of cleaning and sterilising dentures. The screw-capped bottle is supplied in carton with Declon pad.

**Salt-resistant Clothes Brush.** — The Halex long-handled transparent clothes brush illustrated is resistant to salt



water, mechanical abrasions and weak acids. It has black nylon bristles and each brush is packed in a display pack. The makers are Halex division, British Xylonite Co., Ltd., Highams Park, London, E.4.

**Neutral Shampoo.** — A "neutral" oil shampoo ( $\text{pH } 7.5$ ), described as the only one of its kind in the world is being marketed under the name Neutrogena by M. & R. Norton, Ltd., Adriant Works, Park Hill, London, S.W.4. It was devised by Dr. Edmond Fromont, Brussels, Belgium. It is issued as a sachet.

**Morning Sickness Treatment.** — A new treatment for morning sickness issued by Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, presents buclizine hydrochloride as 25-mgm. tablets under the name Vibazine. The product has been found to give relief from nausea and vomiting during early pregnancy in most users. The packs are bottles of twenty-five, 100 and 500 tablets.

**Blended Alkaloids Against Tension.** — A new speciality, Reserbal, for use in the treatment of anxiety neuroses, migraine, premenstrual tension, etc., is being marketed by Gedeon Richter (Gt. Britain), Ltd., Weedington Road, London, N.W.5. Each tablet contains ergotamine tartrate, 0.3 mgm.; total *t*-alkaloids of belladonna, 0.1 mgm.; and reserpine, 0.2 mgm. The tablets are issued in packs of twenty-five, 100 and 250.

**Piperazine Elixir.** — Under the name Veroxil, The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are issuing a pleasantly flavoured elixir for the treatment of threadworm and roundworm infestations. Each tea-spoonful contains piperazine tartrate, equivalent in amount to 500 mgm. piperazine, B.P.C. 1934, and the product, which is understood to be well tolerated, is put up in bottle of 4 fl. oz.

**Lanolin Foundation.** — Crystal Products, Ltd., Hook Rise, Surbiton, Surrey, have launched Outdoor Girl "magic touch" soft-tinted lanolin foundation for dry skin—it is available in natural pink, rose peach, muted rose, and creamy, dark and olive rachel shades in plastic squeeze bottle; "secret blush" complexion tint in one shade only; and lip pencil, "a soft coloured pencil of almost lipstick texture" in dark and medium red and deep and light pink shades.

**Anti-anxiety Drug.** — William R. Warner & Co., Ltd., Power Road, London, W.4, announce the introduction of Covatin, a new anti-anxiety drug with spasmolytic properties. Covatin is stated to promote day-time tranquillity and give release from tension without causing sleep or dulling mental alertness. Extensive clinical trials have indicated a remarkable freedom from side-effects, and the drug is understood to be non-habit forming. It is available in bottles of fifty and 100 50-mgm. sugar-coated tablets.

**Antihypertensive and Antidepressive.** — Ciba Laboratories, Ltd., Horsham, Sussex, are marketing a new speciality, Serpatonil tablets, combining the antihypertensive Serpasil with the antidepressive Ritalin, and intended for the long-term treatment of hypertension. Serpatonil is stated to be specially suitable for patients who show signs of drowsiness or lethargy during rauwolfa therapy, the Ritalin content providing a safeguard against the depression that occasionally develops in patients taking rauwolfa products. Each Serpatonil tablet contains 0.15 mgm. Serpasil (reserpine) and 5 mgm. Ritalin (phenyl- $(\alpha$ -piperidyl)-acetic acid methyl ester hydrochloride). The packs are bottles of twenty-five, 100 and 500 tablets.

**On Sale in Pharmacies.** — The trio of Eiffel Tower drinks illustrated are in a new packaging which is going on sale in pharmacies. All three packs are printed in strong, distinctive colours and have the same simple but striking



design, with background colour lemon yellow or orange according to flavour. Sweetened powder lemonade and orangeade are in "handy" and  $\frac{1}{2}$ -lb. "family" sizes, the tins of both twin-sealed. The unsweetened crystals are in a new three-point pack. They are printed on one end in the background colour, and on the other in a contrasting dark green, providing

an attractive pattern for end-stacking. The makers are Foster, Clark, Ltd., Hart Street, Maidstone, Kent.

**Aluminium Foil for Home Use.** — On May 28, Star Aluminium Co., Ltd., Marston Road, Wolverhampton, launched a campaign to make their Star house-foil as popular as similar aluminium foils are among American housewives, for easier, cleaner, more flavoursome cooking, and for keeping foods fresh. Meat or poultry wrapped in Star house-foil and roasted requires no basting and no watching and leaves no greasy pots and pans to clean afterwards. Bread, cheese and vegetables wrapped in it stay fresh for a considerable time. Sandwiches prepared and packed in it overnight stay fresh for use next day. Distribution of the foil, which is issued in 22-ft. roll in carton having a serrated edge to enable pieces to be torn off, is through various retail outlets including chemists.

**Intrinsic Factor Concentrate.** — Since the pioneer work of Castle on the aetiology and treatment of pernicious anaemia, extensive research has been applied to purifying and identifying the "extrinsic" and "intrinsic" factors. Castle's "extrinsic" factor was shown in 1948 by English and American scientists, who isolated vitamin  $B_{12}$  simultaneously, to be identical with that vitamin. The identity of "intrinsic factor" remains to be established, but in 1952 Gea, Ltd., Copenhagen, Denmark, succeeded in producing a highly purified "intrinsic factor" concentrate. The concentrate, the first of its kind in the world, was marketed under the name Bendogen. It is extracted by macerating the pyloric mucosa of hog stomachs, fractional precipitation at different pH eliminating a number of inactive proteins and leaving a highly purified fraction. Bendogen differs from other commercially available "intrinsic factor" products in being completely soluble in water, a property of great importance for quick effect, and a proof also that during the process no useful proteins have been denatured. The company's product, therefore, is claimed to contain the full effect of the fresh glands. In the body of the patient, "intrinsic factor" concentrate Gea has a double action. It protects vitamin  $B_{12}$  in the gastrointestinal tract, preventing its destruction by the bacterial flora; and acts as an intermediary in promoting absorption of the vitamin. Full therapeutic effect is obtained from one or two tablets daily, orally for preference. Bendogen is also indicated in chronic gastritis, gastric resection, gastric atrophy, achlorhydria, and chronic alcoholism. The inference from an observation made in a long series of patients, that not less than 20-30 per cent. of those aged sixty or over exhibited achlorhydria, is that any person past middle age who shows signs of debility and lack of energy is likely to benefit by being given the concentrate. Intrinsic factor Gea, as concentrate or tablets, is available in Britain through A. Revai & Co. (Chemicals), Ltd., 7 Idol Lane, London, E.C.3.

# PHYSICAL SOCIETY'S EXHIBITION

## New scientific instruments on show

NEW scientific instruments, ranging from cameras, microscopes and small items of laboratory equipment to enormous machines and complete automatic laboratories, were shown at the Physical Society's fortieth exhibition opened in London on May 14 by Sir John Cockcroft, K.C.B., K.B.E., F.R.S.

First of a new series of Analmatic instruments, the B.T.L. automatic apparatus for Karl Fischer titrations was shown by BAIRD & TATLOCK (LONDON), LTD., Chadwell Heath, Essex. Analmatic instruments differ

2 in. slide to be scanned, and the focusing controls are placed below stage level so that they can all be operated without raising the wrist from the bench. Interchangeable bodies are provided, straight and inclined monocular forms being available, and a photo-micrographic tube for use with 35-mm. film cameras or plate cameras is being developed.

A range of porous stainless steel laboratory filters which, though not new, were on show at a Physical Society's Exhibition for the first time, were shown by B.S.A. GROUP RESEARCH CENTRE, Sheffield.

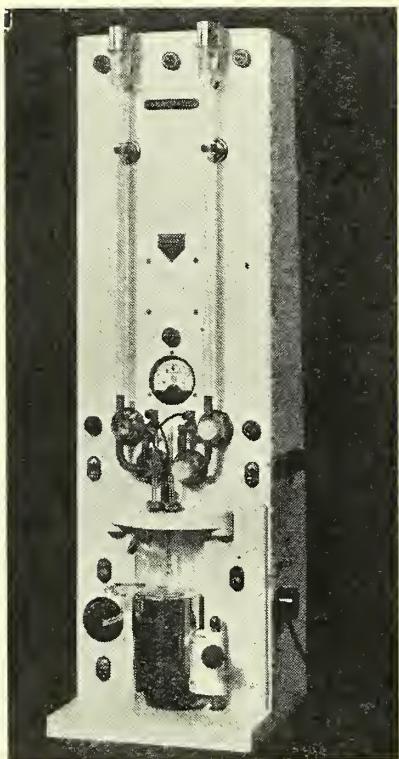
The first production models of multi-channel recording outfits for use in hospitals, medical schools and laboratories for electro-cardiography, phonocardiography, manometry, respiratory recording, etc., were shown by CAMBRIDGE INSTRUMENT CO., LTD., London, S.W.1.

### Automatic Titration

A prototype of an automatic titration apparatus which can be either automatically or manually controlled and provides for an end point value controlled to an accuracy of  $\pm .07$  pH unit, was shown by DORAN INSTRUMENT CO., Stroud, Glos.

A demonstration of electric weighing using the load cells produced by ELLIOTT BROS (LONDON), LTD., London, S.E.13, showed new load cells which extend their application to the measurement of forces and weights from 100 lb. to 200 tons, and incorporated a new feature in a digitised visual display unit which can be made to print out the weight or totalisation by electric typewriter or punched cards.

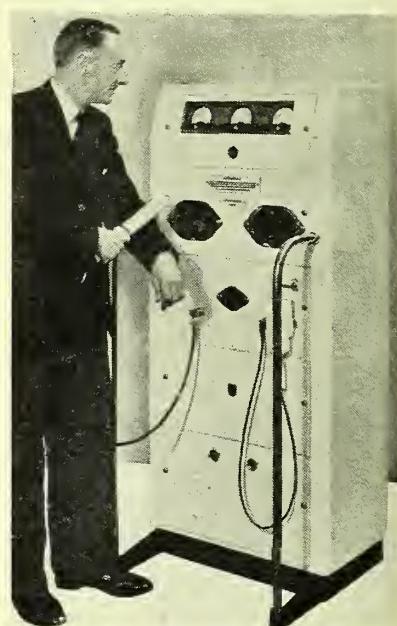
New photo-electric instruments shown by EVANS ELECTROSELENIUM, LTD., Harlow, included the Eel powder reflectometer, which enables the speci-



Baird & Tatlock automatic Karl Fischer apparatus.

fic surface of fine powder to be measured by the "tinting strength" method; and the Eel powder extinction sedimentometer, which enables the particle size of fine powders to be measured. A parallel beam of light is projected through a glass cell containing the powder, to an Eel photocell, the current generated being measured on an external galvanometer. By measurements over a period of time, the size frequency of the powder may be determined and its specific surface calculated.

The new No. 56 binocular research microscope shown by R. & J. BECK, LTD., London, W.1, incorporates many new features, including built-in lighting. The top-plate and movements of the mechanical stage have been enlarged, enabling the whole of a 3 in. by



Philips radioactive hand and clothing monitor.

fic surface of fine powder to be measured by the "tinting strength" method; and the Eel powder extinction sedimentometer, which enables the particle size of fine powders to be measured. A parallel beam of light is projected through a glass cell containing the powder, to an Eel photocell, the current generated being measured on an external galvanometer. By measurements over a period of time, the size frequency of the powder may be determined and its specific surface calculated.

A humidity oven, for producing moderate conditions of temperature and humidity which are required, e.g., in moisture permeability tests on packaging materials; and prototypes of a new series of component parts, based on a magnetic stirrer, for electro-titration apparatus, were shown by A. GALLENKAMP & CO., LTD., London, E.C.2.

### High Temperature Chromatography

A prototype of a new high temperature unit for use with the Griffin vapour phase partition chromatography apparatus was shown by GRIFFIN & GEORGE, LTD., Wembley; the new unit enables the apparatus to analyse liquids with boiling points up to  $350^{\circ}$  C. under reduced pressure.

A prototype of a liquid scintillation counter for  $H_3$  and  $C_{14}$ , which detects one in the presence of the other, was shown by GUY'S HOSPITAL MEDICAL SCHOOL, London; it enables the quantity of aldosterone in the blood to be measured, through the injection of tritium, which is taken up by the aldosterone and detected by means of the apparatus shown.

A new benzole meter was shown by HANOVIA LAMPS DIVISION OF ENGLE-

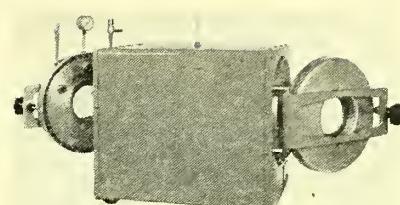
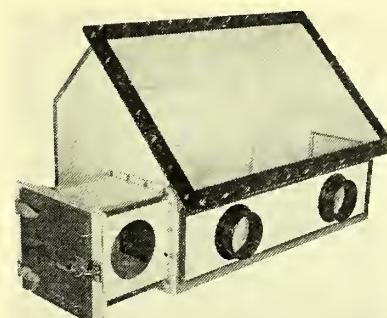


Beck binocular research microscope.

**HARD INDUSTRIES, LTD.** Though designed primarily to measure the benzole content of coal gas, the instrument may be used to measure benzene in toluene and/or xylene, and it is hoped to extend its use to other industrial solvents.

An entirely new all-British slow motion camera at a very competitive price was shown by J. LANGHAM THOMPSON, LTD., Bushey Heath, Herts; the camera will take a continuous series of 250 photographs at speeds up to 150,000 pictures per second; it incorporates a combination of 80,000 minute plastic lenses, in front of which a perforated disc revolves at high speed, photographing all 250 pictures in scrambled form on to a single photographic half plate. The camera can then unscramble and project the developed plate, showing the original pictures slowed down over six thousand times. The camera, known as the Courtney-Pratt high speed camera series 600, is being manufactured under licence from the National Research Development Council.

Two new high-speed semi-automatic balances, Nos. 71 and 72, were shown by L. OERTLING, LTD., Orpington. The balances have capacities of 10 gm. and 25 gm. respectively, and sensitivities of 0.1 gm. and 0.25 gm. respectively. They are fitted with stainless steel pans and mounted on a vitreous enamelled metal base.



Townson & Mercer glove cabinet for handling radioactive chemicals (left) and vacuum oven (above).

ting the matching of dark samples, was shown by TINTOMETER, LTD., Salisbury.

A glove cabinet for the handling of radioactive isotopes and also of viruses, dangerous chemicals, etc., was shown by TOWNSON & MERCER, LTD., Croydon. The cabinet is constructed of Plimberite wood veneered on both sides with plastic sheet. The angle frame is of steel, the front of in. transparent plastic. There is one side opening closed by a sliding-door with a special clamping device that is easily operated, even wearing gloves. The cabinet is, for dangerous purposes, usually operated under reduced pressure, but can be used simply as an enclosed space which is virtually airtight. The same company showed a large thermostatically controlled vacuum oven having cast aluminium insulated doors at both ends, with armour-plate windows. The interior size of the oven is 13½ in. diameter, 23 in. long.

versal models are now fitted with sub-stage self-contained illuminating units.

The conductivity meter "W" shown by W. G. PYE & CO., LTD., Cambridge, is a direct reading instrument designed especially for conductivity measurements on distilled and de-ionised waters of high purity; it can be used either as a portable unit or in rack-mounted form, and has a range of 0.1 to 100 conductivity units. The company also showed a new conductance bridge for general laboratory work, and a new pH meter with larger scale and overlap than those previously shown, and full temperature compensation.

A redesigned model of the Lovibond Schofield tintometer, which is simpler mechanically, cannot get out of adjustment, uses one lamp only to illuminate both fields of view, and works at a higher level of illumination, facilita-

## FILMS AS AID TO MANAGEMENT

### Scientific Film Association's conference at Leamington

COULD not the film have been used by management to explain the coming of and reasons for introducing automation into industry? Are the trade unions making full use of the film? Should the film be more widely used by industry? Questions such as those proved the serious approach of delegates to a three-day conference on "Film as an Aid to Management" organised by the industrial committee of the Scientific Film Association and held at Leamington Spa, May 16-18.

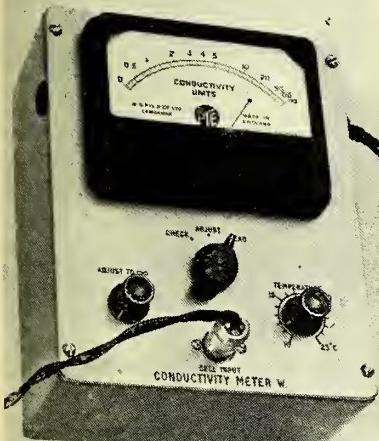
The opening speech, by MR. J. P. MARTIN-BATES (managing director, Production Engineering, Ltd.) stressed the important part the film could play in solving such current problems as automation, in passing on information and in presenting the latest developments in industry. If both unions and management knew the plain facts of automation they were likely to find agreement easier to reach. Clarity of meaning was a virtue of the film, whereas the spoken word was notoriously ambiguous. Many present problems in industry were due to or aggravated by misunderstanding or misrepresenting facts. The film could do much to eliminate that state of affairs.

SIR ARTHUR ELTON, from a wide experience in documentary, dealt particularly with the use of the film overseas. It was often advantageous, he said, to make use of local people, for such people often had ideas which, when transferred to the screen, had an important influence on morale. As an example he showed a film made in

Egypt and dealing with the subject of safety from the Egyptian standpoint.

MR. L. GOULDS-MARKS (visual aids section, European Productivity Agency) urged the need to use all forms of visual aid to convey an idea. There was a need to differentiate between what film did and what its maker wanted it to do. For "dynamic" use the end of the film was only the beginning of something else. Manual skills could only be successfully taught by films with a proper introduction and follow-up. It was often a good plan to stop a film and produce other visual material in order to clarify what had been shown.

The eighty delegates split up into seven groups to consider such specific subjects as work study; health, safety and welfare; works information; technical education; supervisory and operator training; and recruitment and vocational guidance. Conclusions reached by the groups were summed up by Mr. Edgar Anstey (films officer, British Transport Films). Agreement was general that the Association could usefully serve industry by providing catalogues of films relative to all branches of industry, the catalogues to contain synopses and appraisals, to indicate the audience for whom they were intended, and to give sources of supply. In discussion which followed Mr. Anstey's summing-up one delegate said it was a dangerous assumption that human-relations films could be of value. There was scope for films on recruitment into industry but no need for films to retain people in industry.



Pye conductivity meter.

A radioactive contamination monitor for hands and clothing, shown by PHILIPS ELECTRICAL, LTD., London, W.C.2, includes two hand units for checking the hands for  $\beta\gamma$  contamination, and two frisking probes for checking the clothing, one for  $\alpha$  and one for  $\beta\gamma$  contamination. The same company showed an apparatus for the determination of sulphur in crude oils by the x-ray absorption method.

An inverted microscope made by W. R. PRIOR & CO., LTD., Bishop's Stortford, is now available with either monocular or binocular bodies, which are interchangeable; the company's student, research and universal models now have provision for phase-contrast microscopy, and the student and uni-

## BRANCH AND ASSOCIATION MEETINGS

### STOCKPORT

#### Prizes Presented to Students

At a dinner which followed the annual meeting of the Stockport Branch of the Pharmaceutical Society recently, Branch prizes were presented to the



Miss Mary Spense (right) and Miss Barbara Ennion receiving their Branch prizes.

two best pharmacy students at Stockport College during 1955-56. They were Misses Mary M. Spense (first prize) and Barbara Ennion (second prize). Presenting the prizes, Mr. J. Chandler (chairman of the Branch) expressed satisfaction with the recent tendency for young students to attend Branch meetings and hoped that the personal presentation of the Branch prize by the chairman each year, would further stimulate students' interest in Branch activities.

### NORTH LONDON

#### Permanent Vice-president

AT the annual meeting of the North London Pharmaceutical Association held recently, as a mark of appreciation of work on behalf of the Branch, it was agreed to ask the retiring chairman (Mr. G. B. Daniel) to accept the position of permanent vice-president of the Association. Representatives were appointed to the Branch Representatives' meeting and matters to come before the meeting were discussed. At the conclusion of the business, two films were shown, "Fine Chemicals for Medical Use" (Pharmaceutical Specialities (May & Baker), Ltd.), and "Mille Miglia, 1953" (Shell-Mex and B.P., Ltd.).

### HOUNSLOW

#### Pharmaceutical Research

AN address on "Some Aspects of Pharmaceutical Research" was given to the Hounslow Branch of the Pharmaceutical Society, at a recent meeting, by Dr. R. E. BOWMAN, D.Sc. Using the history of the chemotherapeutic attack on malaria as an example, Dr. Bowman showed the intensity of effort required to solve a particular research problem. He pointed out how the search for antimalarial drugs illustrated various ways of carrying out research, ranging from the purely empirical method used in the discovery of quinoline and acridine, to the more logical and scientific approaches adopted for the development of Paludrine and Daraprim. Dr. Bowman showed how the discovery of new test techniques influenced medical research. He pointed out that the discovery by Merritt and Putnam in 1932,

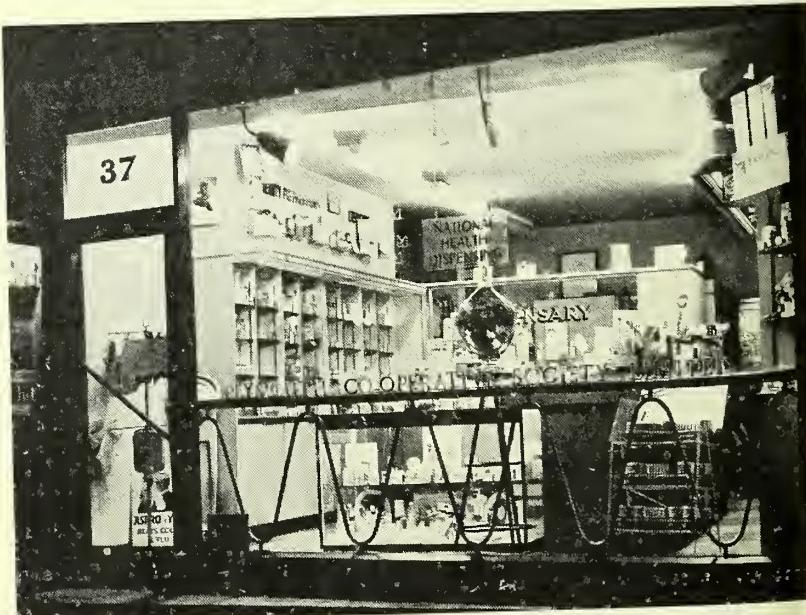
that electric shock treatment in animals produced effects similar to the grand mal form of epilepsy, provided a means of research into the usefulness of diphenylhydantoin. Similarly, Bovet in 1937, by exposing guinea pigs to an atmosphere containing histamine, facilitated the testing of drugs for their antihistaminic properties and that led to the discovery of the antihistaminics. Dr. Bowman said that the problem of setting up test procedures for drugs was difficult, but Jacobson's method of generating general psychotic behaviour in rats had led to the discovery of the psychiatric activity of Suavil. Dr. Bowman emphasised that advances were only made possible by fundamental researches of the type carried out in the universities and research institutes and by pharmaceutical manufacturers. For that to continue, it was imperative that the former should receive adequate public funds and that the profits of the pharmaceutical companies should be sufficient to make research an economically attractive proposition.

### MERSEYSIDE

#### A Stronghold "Threatened"?

REPRESENTATION of women pharmacists on the executive of the National Pharmaceutical Union was urged by Mrs. N. Williams (president, National Association of Women Pharmacists) at the annual dinner of the Merseyside Branch of the Association, held at New Brighton recently. Miss B. H. Morris presided. Mrs. WILLIAMS, responding to the toast to the N.A.W.P., proposed by Mr. T. L. Bowyer (principal, Liverpool School of Pharmacy), said that the only stronghold women had not penetrated was the N.P.U. Executive and she thought that that omission should be remedied. MR. T. L. BOWYER said that

women pharmacists were playing their part in the National Health Service, in general practice, in hospital work and in other spheres, and assisting in the government of the profession through their representation on the Council of the Pharmaceutical Society. About 30 per cent. of the entrants to Liverpool School of Pharmacy were girls, and that figure was steadily increasing. Many girls showed particular aptitude for pharmacy. Especially was that the case in pharmacognosy and physiology, in the practical work of which patience and neatness were important qualities. MRS. M. DALGARNO proposed the toast to the guests (who included Mr. J. Farrer Barnes (president, Liverpool Chemists' Association, and chairman of the Liverpool Branch of the Pharmaceutical Society), Mr. F. K. S. Norman (chairman of the Wallasey Branch of the Pharmaceutical Society), Mr. M. B. Harrop (chairman, Birkenhead Branch of the Pharmaceutical Society), and Miss Wood (president, Chester Branch, N.A.W.P.)). Mrs. Dalgarno deplored the declining contact between pharmacist and customer. That contact was an essential factor in any efficient public service. Guest speaker, Miss Dorothy Rimmer, said the London College of Pharmacy opened its side doors to women students in 1873. A year later, 1874, the first woman qualified as a pharmacist. She was Mrs. Fanny Potter, of Leicester. In 1905, when the National Association of Women Pharmacists was formed, there were twenty women pharmacists, all in London. She was told that today 15 per cent., or even more, of all pharmacists in the country were women. A Birkenhead woman, Miss Eliza Glen Dobie, was the first woman to be elected to the committee of Liverpool Chemists' Association. The first woman to open a shop was Kate Hornblow, in Llandudno. Toastmaster was Miss M. C. Dodd (vice-president and registrar).



A NEW PHARMACY AT PLYMOUTH : A recently opened new branch of the Plymouth Co-operative Society, Ltd., gives prominence to the carboy as the pharmacist's craft symbol. Customers have a clear view of the pharmacy with its glass-fronted dispensary at rear. The shop itself is treated as a display unit. In the front are three adjustable spot lights to emphasise any particular feature.

## FIGURES IN THE PHARMACEUTICAL WORLD

THE chairman for 1956-57 of the National Pharmaceutical Union is a man with a quick response and a ready smile. Quickly and progressively successful as a retail proprietor since he first struck out on his own at the height of the slump in the nineteen-thirties, he had his training and early experience almost exclusively with the multiples. And while his success in business has been achieved in North London, the foundations of it were laid in Lancashire. Only in a literal sense is he a native of London, for while he was born in Wimbledon where his father was an electrical engineer, the family moved to Preston when he was quite young, and he served a five-year apprenticeship in the Ashton-on-Ribble branch of the Preston Drug Co., a subsidiary of Squire & Co. (Birmingham), Ltd., later Taylors Cash Chemists (Midland), Ltd.

After qualifying from Manchester in 1925 Mr. Aldington returned for two years as assistant manager at the Preston Drug Company's main shop in Fishergate, at that time a business with an exceptional volume of dispensing and sales. He came to London in 1927 for six months' metropolitan experience at Needham's, Edgware Road, and has remained here ever since. It was in 1932 that he launched out on his own account by taking over the Tufnell Park pharmacy of King's (now Roberts). Three years later he transferred to Seven Sisters Road, South Tottenham, taking over a pharmacy that had been fifty years in the family of the late Mr. J. B. Hewitt. He is now a director of a small group of pharmacies in the London area.

Mr. Aldington entered pharmaceutical politics by an unusual route, via the Photographic Dealers' Association. He had inherited an interest in amateur photography (particularly portraiture and character studies) from his father but commercially it was an interest that only crystallised in P.D.A. membership in the middle thirties, when also he was an individual proprietor pharmacist. Entering the P.D.A. council only after the 1939-45 war, he quickly showed a flair for committee work, and was in highest office in the Association in 1952. He was president again in 1955-56, his presidency overlapping by a week or so his chairmanship of the N.P.U. On the P.D.A. council his principal work was on its publications and in furthering a campaign to popularise flash photography. He is a past president of the Tottenham Camera Club. He was elected to the N.P.U. Executive in the 1950 election, together with Mr. A. R. Melhuish and Mr. F. G. Wells. Within six years he has been vice-chairman and embarked on the chairmanship—a reflection of his quick grasp of problems and of his energy in applying measures to solve them. On the death of Mr. Melhuish a little later in the year 1950 he was co-opted to the County of London Pharmaceutical Committee (its chairman 1953-55) and was one of two pharmacist members of the London Execu-



### 39. MR. ALLEN ALDINGTON

tive Council. Throughout his membership of the N.P.U. Executive he has served on the Central N.H.S. (Chemist Contractors) Committee. In North London he has been president of the Association and chairman of the branches of the Pharmaceutical Society and National Pharmaceutical Union. He was founder-president of the Rotary Club of Harringay. On the Chemists Federation council he is chairman of its propaganda committee.

It may not be without significance, in view of his association with a transformed publication of the P.D.A. and with C.F. propaganda, that recently resolutions have been put forward—one of them from North London—urging greater frequency of publication and more information in the bulletins issued by the N.P.U. to its members.

There is an old saying that speaking maketh a ready man and Mr. Alding-

ton gained a facility in public speaking and the conduct of meetings in courses in debating taken under the auspices of the Workers' Educational Association. If the N.P.U.'s Pink Supplement does not proliferate during his term of office, it will be surprising and quite contrary to the evidence of more active propaganda in other trade bodies, so soon as he came to have anything to do with the subject. His infectious enthusiasm is accompanied by an efficiency in conducting meetings that helps to get through the business expeditiously and amicably, and if during his year of office as N.P.U. chairman there should lie in store negotiations with the authorities on difficult or ticklish matters, members of the Union may be confident that claims and arguments will be clearly, vigorously yet persuasively presented by the leader of the deputation.

*Lederle is saying*

BRITISH MEDICAL JOURNAL  
JULY 11, 1956

In difficult situations, successful recovery depends largely on the countermeasures adopted. This is particularly so in dealing with many of the skin infections met with at this time of the year. ACHROMYCIN tetracycline is acknowledged to possess outstanding merits in controlling pyogenic infections of the skin and for the prevention of infection in wounds and abrasions. To the doctor it offers unsurpassed scope in antibiotic therapy of the skin...to the patient it promises assurance of speedy, uneventful recovery.

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FIFTIETH ANNIVERSARY

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# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMUS ESTRAND, LONDON"

## Nonsense, Mr. Adams?

ONE of the subjects which was discussed at the recent meeting in London of the Branch Representatives of the Pharmaceutical Society, but on which we withheld comment last week for space reasons, was the question whether the Society should issue additional instructions about the supply by members of a drug which the Poisons Board had classified as Schedule I. The Society's registrar (Mr. F. W. Adams) described as "nonsense" any talk of the Poisons Board having authority to determine what a professional body should do within its own organisation. "The law of the land," he said, "is not necessarily of the high standard that should be observed by those regarding themselves as of professional status."

We think most members would readily agree that the standards of professional conduct in pharmacy should be higher than the standards of observance of the law required from lay members of the public. But the matter takes on rather a different complexion when the particular "law of the land" is a statute that lays down no standards of conduct for the general public, but is concerned with the conduct of pharmacists — exclusively with their conduct so far as the first heading of the Pharmacy and Poisons Act is concerned and only less than exclusively as to the second heading by the extent that it deals with a handful of household poisons permitted to be sold by "listed sellers." The substances to which the Act is made to apply are, moreover, determined by a Poisons Board on which five of the serving members are pharmacists. While it may not be true that "what pharmacy says goes," at least it is true that pharmacy as a profession has a representation on the Board large enough to warrant acceptance of its decisions as being responsibly arrived at after full opportunity for putting forward the profession's point of view. For the Pharmaceutical Society then to say "What you lay down is not enough for us" is seen to be like trumping a partner's ace, which may be finesse but is more usually to be regarded as "nonsense." At all events, it is an arbitrary raising of the stakes that makes life difficult indeed for the practising pharmacist. It makes the standards of the profession higher than the standards for the profession, which doesn't make very good sense to us.

## The Society and Remuneration

So far as it imposed limitations on the powers of the Pharmaceutical Society to interest itself in the business activities of its members, the Jenkin case is a dead letter. When the new Charter and constitution were drawn up

its draughtsmen were astute enough to give powers wide enough to render those restrictions obsolete.

Theoretical powers and practical politics are not necessarily the same thing. The Jenkin case may be but a historically interesting episode, but the National Pharmaceutical Union, its offspring, is an independent, active, adult organisation very much concerned with the remuneration of pharmacists under the National Health Service. Though some members of the Society might like the Council to take a direct hand in the negotiations—and at one moment it appeared that that was the intention of Mr. A. C. Yeates, Stourbridge, who moved a resolution on remuneration at the Branch Representatives' meeting on May 17—the vast majority of those pharmacists who are also members of the National Pharmaceutical Union would be unlikely, in a moment of absent-mindedness, to vote away the right they exercise, through the Central N.H.S. (Chemist Contractors) Committee, of conducting their own negotiations. Afterwards, of course, Mr. Yeates made it clear that he had intended no criticism of the negotiating committee.

Supposing for a moment, however, that his motion had been carried and that, acting upon it, the Society had attempted to take a hand in the negotiations, the result would have been, as we see it, not only extremely ill-advised but doomed to frustration. Under the Whitley Council set-up, it would have encountered the same sort of rebuff as when it tried to intervene—with possibly more justification on the ground that it would have been using its immense influence on behalf of a much smaller and less organised group of its members—to improve the remuneration of hospital pharmacists.

If any members remain who advocate direct action by the Society in matters of remuneration we hope they have considered and are prepared to accept the undermining of the negotiating powers of the N.P.U. and Guild of Public Pharmacists which would be a directly proportional result of the action taken.

That is not to say that the Society must stand idly by and witness a general decline in, or even a general failure to improve upon, present standards of remuneration. The Society's actions and policies on matters concerning remuneration must always be in the fields of moral influence and in raising the status and widening the background of its members, both professionally and educationally. That is no doubt realised by the more enlightened members of Council and perhaps by all, though their routes and methods may be different and even contradictory.

It is important to bear in mind that it is the status of the membership as a whole that must be improved. That does not mean a policy of trying to convert every new entrant to the profession into an Honours Degree graduate. Such a policy would break down for the dual reason that not all candidates have the intellectual capacity to advance to that level, and that if by some miracle they all did there would not be useful opportunity for more than a few of them to turn their accomplishments into a livelihood.

## Overseas Trade in April

THE value of United Kingdom exports of drugs and medicinal preparations fell to £2·6 millions in April—the lowest level since June 1955, when rail and dock strikes had disrupted the whole of the country's exports. The largest single contributing factor to the fall in exports was undoubtedly reduced buying by Australia,

whose imports from Britain of medicines in April were valued at £192,569, against £271,308 in the corresponding month of 1955. Shipments to India, at £217,120, remained steady, and for the third month in succession proved to be the United Kingdom's largest customer for medicines and drugs. Australia, however, is still ahead on the year's purchases to date.

The principal medicinal items for which statistics are available are given in the accompanying table. Compared with the monthly average for the first quarter, all show a decline. Penicillin, at £151,563, was well behind "other" antibiotics, at £250,379; both were £100,000 down on April 1955.

Imports of prepared drugs and medicinal preparations were also lower than usual at £567,000, of which vitamins accounted for nearly £138,000.

The total value of United Kingdom exports in the month was £256·4 millions, or £15 millions less than the record figure for March, which had two more working days. Re-exports, at £13·7 millions, maintained the high level of the first quarter, while April imports, at £327·4 millions, were little different from the average. The visible trade deficit for the month (£57·3 millions) compares with an average of £56 millions for the first four months of the year.

EXPORTS						VALUE
Drugs, medicines, medicinal preparations (total)	...	...	...	...	...	£ 2,637,253
Vitamins	...	...	...	...	...	210,555
Penicillin salts	...	...	...	...	...	61,580
Penicillin injections	...	...	...	...	...	51,264
Penicillin tablets, ointments, etc.	...	...	...	...	...	38,719
Antibiotics other than penicillin	...	...	...	...	...	250,379
Quinine	...	...	...	...	...	13,089
Alkaloids, excluding quinine	...	...	...	...	...	37,367
Aspirin	...	...	...	...	...	75,425
Antihistamines	...	...	...	...	...	36,004
Antipaludics	...	...	...	...	...	84,057
Barbiturates	...	...	...	...	...	51,665
Liver extracts	...	...	...	...	...	15,434
Ointments and liniments	...	...	...	...	...	96,485
Insulin	...	...	...	...	...	38,757
Sulphonamides	...	...	...	...	...	141,236
Proprietary medicines	...	...	...	...	...	800,652
Unclassified	...	...	...	...	...	599,960
Glycerin	...	...	...	...	...	65,921
Acetone	...	...	...	...	...	34,766
Citric acid	...	...	...	...	...	24,845
Salicylates	...	...	...	...	...	21,173
Perfumery and toilet preparations						
Lipstick, face powder, etc.	...	...	...	...	...	263,642
Dentifrices	...	...	...	...	...	126,003
Toilet soaps	...	...	...	...	...	189,621
Synthetic detergents	...	...	...	...	...	599,664
IMPORTS						VALUE
Vitamins	...	...	...	...	...	137,792
Antibiotics	...	...	...	...	...	19,066
Alkaloids	...	...	...	...	...	114,215
Proprietary medicines	...	...	...	...	...	70,553
Unclassified medicines	...	...	...	...	...	224,973
Borax	...	...	...	...	...	66,807
Iodine	...	...	...	...	...	2,167
Menthol	...	...	...	...	...	11,479
Essential oils						
Bergamot	...	...	...	...	...	12,230
Citronella	...	...	...	...	...	41,773
Clove	...	...	...	...	...	11,413
Lavender	...	...	...	...	...	45,258
Lemon	...	...	...	...	...	45,489
Orange	...	...	...	...	...	25,745
Peppermint	...	...	...	...	...	78,293
Unclassified	...	...	...	...	...	233,746

## ENOUGH TO TRY THE PATIENCE OF A SAINT



## Onward from Galen

### A CURRENT CAUSERIE

A FRENCH physician and botanist who had some influence on British medicine died 300 years ago on June 5. Joseph Pitton de Tournefort (1656-1708) studied medicine at Montpellier and Paris. In 1683 he was appointed deputy director of the Jardin du Roi with the title of professor. In 1700 he was sent by the King of France to Spain, Portugal, the Grecian archipelago, the Black Sea, and Asia Minor to collect botanical specimens. De Tournefort occupies an important place in the annals of botany for having devised a system of groups higher than genera, which was accepted until the time of Linné. He was the author of a *Traité de la matière médicale, ou l'Histoire et l'Usage des Médicaments et leur Analyse chimique*, published posthumously in 1717. English translations of the work appeared in 1708 and 1716 under the title "Materia Medica; or, a Description of Simple Medicines Generally us'd in Physick. . . . Written Originally by the Learned Monsieur Tournefort, Botanist to the French King. Faithfully Translated into English." The following are examples of the book's scope and style:

*Daisies* are . . . very helpful in a Ptsick or Consumption attended with an Ulcer of the Lungs, and Spitting of Blood. (p. 353.)

*Chocolate* is a sort of Liquor that is very grateful and delicious both to the Palate and Stomach, nourishing the Parts, strengthening, restoring and recruiting the Spirits, and provoking Venery. (p. 324.)

*Senna*, by reason of its gross Sulphur, is very apt to breed Wind, and to stir up Platitudes. (p. 18.)

*Prunes*, by virtue of an exalted Sulphur, joining its Forces with an acid Salt or Phlegm, gently render the Body soluble. (p. 62.)

*Of Scorpions*. But at the same time it will be convenient to anoint the Region of the Reins and Loins, and the Perinaeum with the same Oil. This wonderfully expels Urine. (p. 127.)

Of *Ipecacuana* Roots in Pouder 3 ss. take it in a little new Bread, drinking after it a cupful of warm Water or Broath. But such as vomit up a copious quantity of morbisick Matter, are much sooner and more safely cur'd and reliev'd by the help of this Root, as I have often experienc'd in my Practice in Spain, Narbon of France, and Paris. For by the command or order of the most honourable . . . Marquis De la Bois, and chief Minister of State of France, I travell'd almost all over Spain and Portugal, on purpose that I might purchase at any rate all the Roots of *Ipecacuana* that I could meet with, and that I might make a more accurate and exact trial of their Virtues and Faculties: I sent above an hundred Pounds in weight of it to the above-named Honourable Marquis, which he caus'd to be distributed among the Hospitals for the relief of the Soldiers. But it does not do so well in Camps as in Private Houses, because Soldiers for the most part are much weaken'd by their Distemper, and their Bowels very much hurt, so that they are not able to endure Vomiting; besides, they commonly draw in a very unwholsom noisom Air, for such an Air usually attends Camps. . . .

That kind of *Ipecacuana* that is brought to Cadiz out of Peru, ought to be us'd, if it can possibly be obtain'd, for it is a great deal better than the other kind that is brought out of Brasil: for the *Brasilian Ipecacuana* is every way smaller, more wrinkly, and looking as if it were bitten with Teeth; it is also blacker, more bitter, and working more violently by Vomiting. (pp. 190-92.)



ACCORDING to a paper read at the twenty-eighth annual meeting of the American Association of the History of Medicine, the oldest known collection of prescriptions (date about 2100 B.C.) is inscribed in the cuneiform script in the Sumerian language on a clay tablet, 3½ x 6¼ in., now in the University Museum at Philadelphia. The majority of the medicinals mentioned are from plants such as cassia, myrtle, asafoetida,

and thyme, and from trees such as the willow, pear, fir, fig, and date. The remedies prescribed are salves and filtrates for external, and liquids for internal, use. Beer is a popular vehicle. The text does not name the diseases for which the medicaments were intended, much to the regret of historians. The complete absence of magic spells and incantations is remarkable.



AN article in the April *Practitioner* spotlights a subject that is often in the minds of doctors no less than pharmacists, even if they seldom hold forth in public about it—the amount of advertising that is directed towards the medical profession by pharmaceutical manufacturers. Dr. A. Parry Jones, who contributes the article, says that last year he received 238 advertising letters from thirty-nine pharmaceutical firms, and that, he claims, is far from being a record, since several principals in general practice each received 1,000 letters during the year. Ninety-six of the letters Dr. Jones received were in three or more colours, while 20 per cent. used six or more colours. Fifty-one advertising letters proclaimed "new" drugs, "several of which were claimed to be 'revolutionary advances in therapy.'" Dr. Jones commented: "The task of assessing these new preparations is difficult. Quotations from the medical Press are selected in all instances; they are always laudatory and seldom critical. In the antibiotic field, for example, so many preparations are described in such glowing terms as the panacea for so many ills that it is impossible to assess their relative merits. If the drug firms indulged in fewer Hallelujahs and more critique," he writes, "the profession would undoubtedly pay more attention to their advertising literature."

## Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

### A Correction

SIR.—Will you kindly correct an error in your report of the Branch Representatives' meeting (*C. & D.*, May 26, p. 435) regarding my seconding of the proposition on the sale of medicines from stalls and vans. My assertion was that the position of mobile shops under the 1941 Act had not been established, and that that position should be clarified, if necessary by means of a test case, before the problem assumed even greater proportions than it does now.

Southampton FRED MURLEY

### Pensions for Proprietors

SIR.—I was interested in "Consultant's" letter on the above subject (*C. & D.*, May 12, p. 388), but I find it difficult to understand his statement to the effect that "Self-employed people are not to be placed in the same position as they were under the so-called top-hat schemes." The whole trouble has been that self-employed people were never eligible to participate in that type of scheme, which hitherto has applied only to higher executive employees and certain classes of directors. For that reason, in common with all other self-employed persons, proprietor chemists have been awaiting with eagerness the results of the deliberations of the Government on the Millard Tucker report. Now that the recommendations of this Committee have, to a large extent, been acted upon, the resulting schemes which are to be produced will, I think, require the most serious con-

sideration. One must bear in mind that the majority of assurance companies are advising caution in this matter, and they will not be issuing details of their own schemes until the Finance Act, 1956, goes on the Statute Book. It would therefore be foolhardy to rush into a scheme concocted in haste. I should be the last to criticise the endowment plan as obsolete, but self-employed chemists have for years been awaiting the opportunity to secure a pension on reasonable terms, and my own advice is that we should adopt the Asquithian policy of "Wait and see" and give the assurance companies the chance to produce their own schemes.

London, W.C.2 S. V. BROWN

### Retirement of Dr. E. R. Parken

SIR.—A dinner to mark the retirement of Dr. E. R. Parken from the staff of the Brighton School of Pharmacy, after thirty years' service, has been arranged for Wednesday, October 10, 1956, at the Hotel Russell, Southampton Row, London, W.C.1. Dinner will commence at 7.30 p.m. (informal dress), and a private ante-room with cash bar has been reserved in the hotel from 6.30 p.m. Past students will be circularised by the end of June. Anyone accidentally omitted and wishing to receive details of the dinner and/or the proposed presentation fund is asked to write direct to me at the School of Pharmacy, Brighton Technical College, Brighton, 7

S. DIXON

### Encouragement to Vote

SIR.—Out of 26,000 pharmacists who had voting papers sent them for the recent Pharmaceutical Council election, only 9,000 troubled to return their papers—a 30 per cent. poll! One would think there would be a bigger poll among some of the best educated and most intelligent members of our community—the chemists—than the average at local authority elections. May I suggest, to encourage more to vote, that all who do vote should be allowed to pay a lower subscription to the Pharmaceutical Society, say pounds instead of guineas.

BOB SAWYER

### Thanks to Voters

SIR.—Through the hospitality of your columns I should like to thank all those who voted for me at the recent Council election. With their goodwill I hope that a future occasion may justify their confidence in me by producing a successful result.

Upminster KENNETH HOLLAND

SIR.—May I, via the columns of THE CHEMIST AND DRUGGIST, thank the people who voted for me in the recent Council election, thus providing me with yet a further opportunity of serving the profession and the membership?

Manchester, 4 HARRY STEINMAN

SIR.—May I thank those who voted for me at the recent Council election?

London, W.7 F. G. WELLS



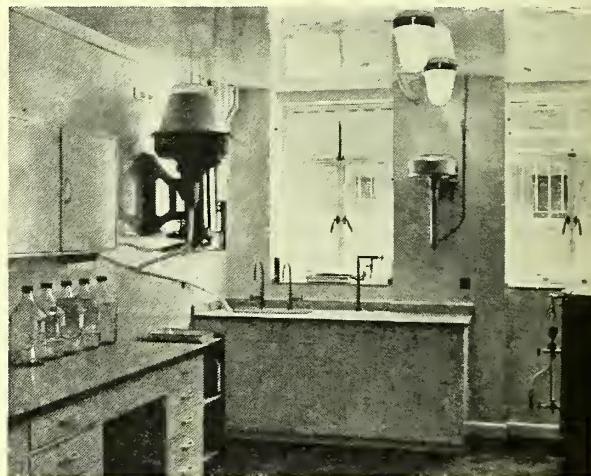
# EPSOM HOSPITAL'S MODERN PHARMACY

*New out-patient building brings big improvement to department*

THE incorporation of the pharmacy department in a new out-patient building at Epsom Hospital has removed one of the department's most pressing problems—lack of space. For many years previously the pharmacy, which serves a hospital with a bed complement of more than 300, and an average of slightly over 40,000 out-patient attendances a year, was housed in what was virtually a single medium-sized room. The room had no access from within the building and almost no covered accommodation for waiting out-patients. Dressings and other items were kept in a store at some distance from the main department, and again were accessible only from the outside, whatever the weather. Despite the utilisation of every inch of available space (including taking-over and putting shelves in the only staff cloakroom!) to provide additional storage, the cramped accommodation made working conditions more and more difficult as the number of out-patients grew, and larger stocks and additional apparatus came to be required to keep pace with modern methods of treatment.

The new out-patient building was officially opened in October 1955. It is one of the most up to date of its kind in the country, and contains, as well as the pharmacy department, consulting and treatment rooms for out-patients, a casualty department (including operating theatre), pathology laboratory, chest clinic, x-ray department, and board room and offices for the administrative staff. The pharmaceutical department, which was not actually occupied until mid-February, consists of seven rooms; the main dispensary; a smaller room for the preparation of ointments, lotions, etc., for external use; two sterilising rooms; an out-patient dispensary; the chief pharmacist's office; and a commodious store-room.

The department is under the control of Miss E. Rubens, M.P.S., who has been chief pharmacist at the hospital since 1945, and employs two other pharmacists, one dispenser, and a porter. As well as serving the hospital itself, the department caters for the needs of several annexes and subsidiary



Outer of the two sterilising rooms.

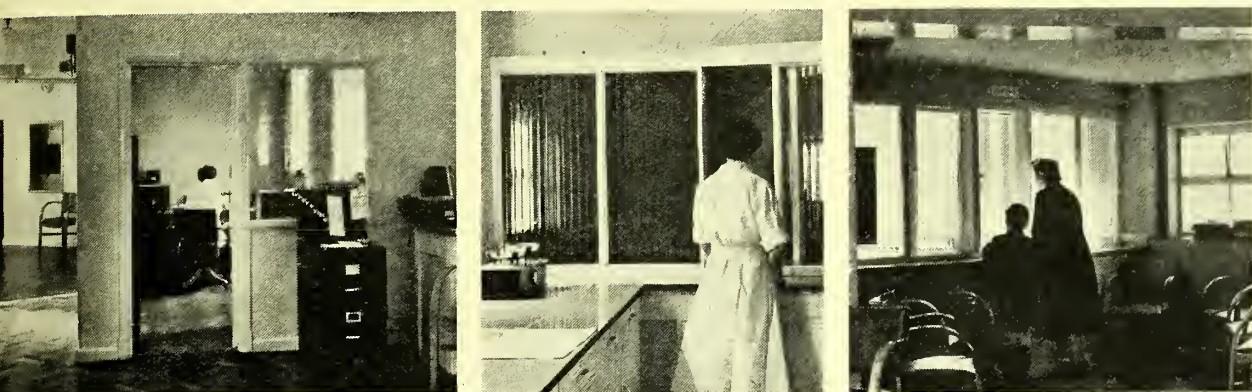
hospitals in the group. Now that the less cramped accommodation permits, a considerable supply depot for sterile solutions and preparations is being built up.

The main part of the new pharmacy is situated in the semi-basement, yet the overall impression is one of light, air and space. Throughout there are high ceilings, large clear windows, white or cream paintwork and polished wood-block flooring. All the main working spaces are arranged where there are windows, so as to make maximum use of the available light; cupboards are raised from the floor for easy cleaning; and there are no open shelves, so that, so far as possible, at the end of the day everything is left covered-in. Sinks and waste-pipes are acid-resistant. Electric and gas points are numerous, and there is provision for more if necessary. Telephonic intercommunication keeps the rooms in touch with one another.

From the corridor outside, white-painted double doors lead into the main dispensary. Immediately inside the doors is a reception desk with two comfortable chairs on which nursing staff or other messengers can sit and wait while whatever they have come to fetch is being prepared. Along two sides under the windows are the main work benches, with knee-holes at intervals and plenty of stools provided, so that the staff can sit comfortably at their work whenever possible. There are more benches, with cupboards and drawers beneath, in the centre of the room, and the remaining walls are lined with white-painted cupboards. The room is sectionalised, one side being devoted to tablets and ointments, another to stock mixtures. There are sections for ear, nose and throat preparations, eye products, and injections, and a separate cupboard contains all the antibiotics kept in stock, except for a few kept in the refrigerator. The shelves are all deep, and everything in constant use is placed as nearly as possible on eye-level, so as to minimise stooping. All cupboards and drawers are labelled with their contents, which are alphabetically arranged, and there is also a see-at-a-glance strip index file for the use of doctors wishing to obtain anything from the department when the staff are



A view of the main dispensing department.



Left : Chief pharmacist's office. Centre : The out-patient department. Right : At one of the out-patient windows.

absent. Literature regarding new products is filed in a steel cabinet, alongside which are an index of new remedies and a shelf containing standard reference books.

Leading from the main dispensary is a smaller room where ointments, lotions, disinfectants and other substances for external use are prepared. The room houses the refrigerator as well as an electric mixer and other apparatus.

A lift conveys goods to the out-patient dispensary, which is on the floor above, and reached by a private staircase. It is a clean, spacious, well-fitted room with Formica-topped benches, white-painted cupboards and drawers, and walls finished in pastel colours. Tools, apparatus, bottles, labels, in fact everything likely to be needed for out-patient dispensing are kept in that room and there is telephonic communication with the main dispensary downstairs. There are sliding glass windows in two walls, enabling two operators to work completely independently of one another. One set of windows opens on to the comfortable main waiting room of the new building, which, equipped with chairs and small tables, suggests rather the lounge of a hotel or restaurant than a hospital waiting room according to the old idea.

From the main dispensary downstairs, two sets of double doors, forming an air-lock, lead into the outer of the two sterilising rooms. The room is used for general sterile work and the preparation of materials for more stringent aseptic work. It houses two stills—a small electric one for quick delivery of small quantities of distilled water and a large steam still for larger stock quantities. There are also a small electrically-heated portable autoclave, a large steriliser, and a mobile electric hot-air oven on rubber casters. The walls are easily washable, there are few exposed pipes, and an air-filter keeps the air dust-free. The room is fitted with white-painted, easily washed cupboards. The inner room of the sterile pair is completely sealable. Access to it from the outer room is by means of a sliding door, which need not be touched by hand once the operator has "scrubbed-up." A sliding window also looks into the outer room, and there

are glass panels in the door, so that a second operator, working outside, can observe work being done in the inner room and hand in anything needed without opening the door. The inner room contains a new Stanton laboratory balance, and the sinks in both rooms have built-in pressure taps.

Also opening out of the main dispensary is the chief pharmacist's office, a pleasant, light room with windows on the outside wall and on two other sides of the room looking into the department. The office is fitted with a polished light oak desk and swivel chair, shelf fixtures for files, reference books and literature, and a visible index file where detailed records are kept of all goods received, quantities, prices, etc.

Beyond the smaller dispensary, and leading from it, is the department's extensive store-room, fitted with steel shelving and cupboards all labelled with their contents. One side of the room is kept for drugs, etc., the other for dressings. Low trolleys, with rubber wheels and with collapsible sides are provided for easy transport of goods. As elsewhere, the work bench for unpacking and checking stores is located under the window. Double doors from the store-room admit to a concrete bay where lorries can unload.

Miss Rubens' main regret is that, in the planning of the building, the main dispensary was not put on the out-patient floor with the sterilising rooms and store-rooms downstairs. That slight drawback has been so far as possible compensated by the provision of a lift and telephone. Any disadvantages, however, of the arrangement of the new department must appear minor by comparison with the old cramped quarters which handicapped Miss Rubens and her staff for so long.

#### ECHOES OF THE PAST REMEDIES FOR VARIOUS ILLS

From *Every Man's Magazine* or the *Monthly Repository of Science, Instruction and Amusement*, September 1771

A POULTIS of mere mallow leaves mashed, eases pain from the sting of wasps. Heister assures us the best cure for sting of bees and wasps is wetting the part with vinegar, mixed with theriaca; or theriaca mixed with spirits of wine; or armenian bole, with vinegar. The leaves, and even bark, when the fruit cannot be had, of black currant bush, boiled for a gargle, is good against all inflammatory disorders of the throat. Aloes externally used with other vulnerary drugs to wounds, or ulcers, will sometimes prove purgative; and even garlic wore in the shoes may be tasted in the mouth; and sitting on felled timber newly barked will excite a looseness. Cork well burnt, powdered, and then beat up well with the white of an egg and oil of sweet almonds, is excellent for easing pain in the piles. Roasted figs, or the white roots of leeks fried in fresh butter, are recommended for the same. The ivy of the leaves of the fig-tree, when full ripe, destroys warts by often wetting them therewith. By washing the leaves the juice may be squeezed off, and by bottling it may be kept ready at hand till the succeeding season. Ipecacuanha, taken in small doses, as two or three grains at a time, often is an excellent remedy against diarrhoeas, dysenteries, asthmas, fluor albus, coughs, and from sudden colds, going to bed, and drinking hot liquor plentifully to sweat.—John Cook, M.D.



Room for preparing lotions, etc., for external use.

## AMERICAN APPROVED REMEDIES

Products accepted by the American Medical Association's Council on Pharmacy and Chemistry for inclusion in its list of "New and Non-official Remedies" 1—

**BUSULFAN.** — 1,4-dimethanesulphonxybutane. The drug is used in the treatment of chronic granulocytic (myelogenous, myeloid) leukaemia. Data supplied by: Burroughs Wellcome & Co., Inc. Proprietary name: Myleran.

**PHENSUXIMIDE.** — N-Methyl- $\alpha$ -phenylsuccinimide. Phensuximide is an anticonvulsant succinimide compound, differing chemically from barbituric acid, hydantoin or oxazolidine derivatives, and phenacetimide. Data supplied by: Parke, Davis & Co. Proprietary name: Mitontin.

**CRYPTENAMINE ACETATES.** — The acetate salts of alkaloids derived from an extract of *Veratrum viride*. Cryptenamine acetates shares the actions, uses, and toxicity of other parenterally administered extracts of *Veratrum viride*. Data supplied by: Irwin, Neisler & Co. Proprietary name: Unitencsen acetates.

**CRYPTENAMINE TANNATES.** — The tannate salts of alkaloids derived from an extract of *Veratrum viride*. Cryptenamine tannates is similar in actions, uses, and toxicity to other orally administered preparations of *Veratrum viride*. Data supplied by: Irwin, Neisler & Co. Proprietary name: Unitensen tannates.

**ETHICHLORVYNOL.** — Ethyl  $\beta$ -chlorovinyl ethynyl carbinal. The drug exerts in humans a mild hypnotic action. In clinical trials, ethchlorvynol has proved useful for the induction of sleep in selected patients with simple insomnia. Data supplied by: Abbott Laboratories and Pfizer Laboratories, Division of Chas, Pfizer & Co., Inc. Proprietary name: Placidyl.

**TETRAHYDROZOLINE HYDROCHLORIDE.** — 2 - (1,2,3,4 - Tetrahydro - 1 - naphthyl) - 2 - imidazoline hydrochloride. The drug is a sym-pathomimetic agent closely related in chemical structure and pharmacological action to naphazoline hydrochloride. Data supplied by: Pfizer Laboratories, Division of Chas, Pfizer & Co., Inc. Proprietary name: Tyzine hydrochloride.

**IODIPAMIDE METHYLGLUCAMINE.** — The bis N-methylglucamine salt of 3,3'-{adipoyl-diimino}bis[2,4,6-triiodobenzoic acid]. The methylglucamine salt of iodipamide is indicated for the same purposes and is subject to the same precautions as the sodium salt. Data supplied by: E. R. Squibb & Sons, Division of Olin Mathieson Chemical Corporation. Proprietary name: Cholografin methylglucamine.

**DIOCTYL SODIUM SULPHIOSUCCINATE,** U.S.P.—Bis-2-ethylhexyl sodium sulphosuccinate. The drug is a surface-active compound sometimes employed as a dispersing agent in externally applied preparations of drugs. The compound is relatively inert pharmacologically when administered orally but lowers surface tension in the gastrointestinal tract. Thus, internally it acts in a manner similar to that of detergents and may permit water and fatty material to penetrate and to be better mixed with the faecal material. The drug is useful as an aid in the treatment of constipation. Data supplied by: Lloyd Brothers, Inc., and Mead Johnson & Co. Proprietary names: Colact, Doxinate.

**TRIETHYLENE MELAMINE.** — 2,4,6-tris(aziridine)-s-triazine. Triethylene melamine is an ethylenimine derivative with actions and uses similar to those of the nitrogen mustards. In general, the therapeutic indications for triethylene melamine are similar to those for nitrogen mustard therapy. The best results to date with triethylene melamine have been obtained in patients with widely disseminated Hodgkin's disease. The drug is effective in some patients with generalised malignant lymphoma (lymphosarcoma) and chronic lymphocytic (lymphatic, lymphoid) leukaemia. Data supplied by: Lederle Laboratories Division, American Cyanamid Co. Proprietary name: Triethylene melamine.

## GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

### OTIGOL cream

MANUFACTURER: Camden Chemical Co., Ltd., 61 Gray's Inn Road, London, W.C.1.

DESCRIPTION: Contains sodium diamino disulphomethyl fuchsonium sulphonate, 0·09 per cent.; sodium baborate, 0·6 per cent.; cetrimide, 1 per cent.; and sulphur, 1 per cent.

INDICATIONS: Otitis externa.

USE: One to two applications a day.

HOW SUPPLIED: In tube of approximately 20 gm.

FIRST ISSUED: February 1956.

REFERENCES: Brit. med. J., 1951, 2, 118. Ibid., 1952, 2, 813. J. Bact., 1949, 58, 443. Brit. J. Pharmacol., 1953, 8, 34.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

### PACATAL

MANUFACTURER: William R. Warner & Co., Ltd., Power Road, London, W.4.

DESCRIPTION: Tablets of 9-(1-methyl-3-piperidylmethyl) phenothiazine.

INDICATIONS: Anxiety and tension states, phobic reactions, obsessional-compulsive states, maniacal and catatonic excitement, acute and chronic schizophrenia, confusional states, pre-senile and senile dementias, toxic psychoses, alcohol and drug withdrawal.

DOSAGE: Depending on severity of case, 75–300 mgm. daily in divided doses for five to six weeks. In severe cases an initial dose of 25–50 mgm. t.i.d. may be given for the first few days and then, if necessary, increased for optimum results. The drug may then be gradually decreased over a period of three months to a maintenance level until recovery is established.

HOW SUPPLIED: In bottles of fifty and 500 25-mgm. tablets.

FIRST ISSUED: May 1956.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

### DIPHTHERIA-TETANUS PROPHYLACTIC (D.T.P.)

MANUFACTURER: Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, London, W.2.

DISTRIBUTOR: Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex.

DESCRIPTION: Each c.c. contains: Purified diphtheria toxoid, 25 Lf. units; purified tetanus toxoid, 5 Lf. units; preservative, 0·01 per cent. thiomersalate.

INDICATIONS: 1. Booster reagent for subjects who have previously received primary courses of immunisation against both diphtheria and tetanus.  
2. Primary immunisation against diphtheria and tetanus.

DOSAGE: Injected subcutaneously. Booster dose: 0·5 c.c. Primary immunisation: Three 1-c.c. doses at intervals of 4–6 weeks.

HOW SUPPLIED: In ampoule of 0·5 c.c.; set of three 1-c.c. ampoules; and 10-c.c. vial.

FIRST ISSUED: February 22, 1956.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

### EMBRAN

MANUFACTURER: Serumwerk, Basle.

DISTRIBUTOR: Unichem, Ltd., Broadwater Road, London, S.W.17.

DESCRIPTION: Oral and parenteral solutions containing protein purified, non-fatty extract of striated muscle.

INDICATIONS: Angina pectoris, cardiac asthma, coronary insufficiency, myocardial infarction. Acrocyanosis, acroparaesthesia, intermittent claudication, Buerger's disease, arteriosclerotic and diabetic gangrene, Raynaud's disease, etc.

DOSAGE: Orally: 25 drops three times daily before meals for four weeks. Parenterally: 1–2 ampoules either intravenously or intramuscularly once or twice daily. Oral medication is sufficient in slight cases. In severe cases it is advantageous to combine oral and parenteral administration.

HOW SUPPLIED: In box of three 2-c.c. ampoules and in 20-c.c. bottle with dropper.

FIRST ISSUED: December 14, 1955.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

**DELTA CORTRI\* \***

**MANUFACTURER:** Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

**DESCRIPTION:** Tablets each containing 5 mgm. prednisolone.

**INDICATIONS:** Rheumatic and other inflammatory diseases in which cortisone and hydrocortisone have been used.

**DOSAGE:** *Suppressive*, 20–30 mgm. daily. *Maintenance*, 5–20 mgm. daily.

**HOW SUPPLIED:** In bottles of ten, twenty, 100 and 1,000 tablets.

**FIRST ISSUED:** September 1955.

**NOTES:** The drug has therapeutic effects similar to those of cortisone and hydrocortisone, but lower dosages are required and there is a corresponding decrease in the incidence of side effects. Distribution is at present limited by the Ministry of Health to hospitals.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

**VENOTONE cream**

**MANUFACTURER:** Modkem, Ltd., 2 Exchange Buildings, Rutland Street, Leicester.

**DESCRIPTION:** Cream containing digitoxinum, B.P.C., 0·0063 per cent.; bismuthi subnitras, B.P.C., 2·0 per cent.; zinci oxidum, B.P.C., 2·0 per cent.; phenol, B.P., 0·0378 per cent.; chlorin., 0·0032 per cent.; acid. salicylicum, B.P., 0·0036 per cent.; iodum, B.P., 0·0090 per cent. in absorbent non-greasy base.

**INDICATIONS:** *Infection*: Impetigo, ecthyma, furunculosis, erysipelas cellulitis, athlete's foot, haemorrhoids, paronychia, etc. *Neuro-circulatory*: Varicose eczema, varicose ulceration, neuro-dermatoses, acute psoriasis. *Trauma*: Mechanical-wounds, contusions, physical burns, sunburn, chilblains. *Allergic*: Insect bites, contact dermatitis.

**USE:** As prescribed.**HOW SUPPLIED:** In 1-oz. tube and 1-lb. jar.**FIRST ISSUED:** November 5, 1955.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

**NYSTATIN**

**MANUFACTURER:** E. R. Squibb & Sons, 17 Old Bond Street, London, W.1.

**DESCRIPTION:** Oral tablets containing 500,000 units of the antifungal antibiotic, nystatin, and vaginal tablets containing 100,000 units of nystatin, and 0·95 gm. of lactose.

**INDICATIONS:** Moniliaisis.

**DOSAGE:** ORAL TABLETS: For intestinal moniliaisis, usually 1 tablet thrice daily; when intestinal fungi are not adequately suppressed, the dose may be doubled. For systemic moniliaisis, 2 tablets four times daily. VAGINAL TABLETS: One inserted into the vagina once or twice daily.

**HOW SUPPLIED:** ORAL TABLETS: In bottles of twelve and 100. VAGINAL TABLETS: In bottle of fifteen.

**FIRST ISSUED:** ORAL TABLETS: November 1955; VAGINAL TABLETS: April 1956.

**NOTES:** Nystatin is compatible with the oral use of other antibiotics but should be given for at least as long as the antibacterial agent.

THE CHEMIST AND DRUGGIST, Guide to New Medicaments (June 2, 1956)

**DELTA - STA B\***

**MANUFACTURER:** Boots Pure Drug Co., Ltd.

**DESCRIPTION:** Tablets each containing 5 mgm. prednisolone.

**INDICATIONS:** Rheumatic and other inflammatory diseases in which cortisone and hydrocortisone have been used.

**DOSAGE:** *Suppressive*, 20–30 mgm. daily. *Maintenance*, 5–20 mgm. daily.

**HOW SUPPLIED:** In bottle of 30 tablets. **FIRST ISSUED:** November 1955.

**NOTES:** The drug has therapeutic effects similar to those of cortisone and hydrocortisone, but lower dosages are required and there is a corresponding decrease in the incidence of side effects. Distribution is at present limited by the Ministry of Health to hospitals.

**REFERENCES:** Burim and others, *J. Amer. med. Ass.*, 1955, **157**, 311. Hart and others, *Lancet*, 1955, **2**, 998.

\*Cross reference for card index.

**PREDNISOLONE:** See Deltacortril and Delta-Stab.**BRAZILIAN EXPORTS****Revised bonuses announced**

CIRCULAR 131, issued recently by the Brazilian Controller of Currency and Credit, establishes four categories of exports, and fixes the bonus to be paid to exporters for those enumerated in each group. In the first two categories no chemical or pharmaceutical products are included. In category 3 appear carnauba and ouricuri waxes, castor seed and castor oil, menthol and dementhised oil, bois-de-rose and sassafras oil; for those the bonus is fixed at 36·64 cruzeiros per dollar, or its equivalent, if the exports are payable in convertible currencies or in those of limited convertibility; and at 34·41 if payment is to be made in other currencies. Prior to the new regulations the bonus on exports paid for in U.S. dollars and sterling was fixed at 18·70 and 52·36 cruzeiros respectively for carnauba wax; at 24·70 and 69·16 for castor seed and castor oil; and at 31·70 and 88·76 for the other products now included in category 3. The new regulations will therefore facilitate sales abroad, owing to the more favourable exchange conversion rate. Dollars and sterling will be converted at 55·00 and 154 cruzeiros respectively.

All products not enumerated in one of the three first groups are included in category 4, for which the bonus is fixed at 48·64 cruzeiros if the export is to be paid for in convertible currencies or those of limited convertibility, and at 45·92 when paid for in other currencies. Medicines and other manufactured products are therefore included in category 4, and Brazil hopes to build up a remunerative market for them abroad, particularly in Latin America. The measure represents another step towards the long-promised exchange reform (which suppresses the fictitious official rate (52·69 cruzeiros per £), leaving the cruzeiro to find its own level, but cannot be introduced at present without seriously affecting coffee exports, on which 60 per cent. of Brazil's foreign trade depends).

**WORLD TRADE**

**Cortisone Plant for Argentina.** — A new factory to produce cortisone and other antibiotic drugs is being opened shortly in Buenos Aires by Merck & Co., Inc. The company state that the factory will employ the latest techniques and methods known for producing cortisone and similar products.

**Patents Convention.** — The Congress of the International Association for the Protection of Industrial Property, in conference at Washington, U.S.A., is considering revising the Convention of 1883 which, with later amendments, regulates patent, trade mark and service mark protection. Any recommendations will be presented to a diplomatic conference tentatively planned for 1957 in Lisbon. High on the agenda is whether the treaty should provide for patent protection of chemical products, as distinguished from chemical processes. Some countries now provide for the protection of processes only. Further means to protect industrial property rights and prevent trade mark piracy are to be considered.



# SHOPFITTING PROBLEM?

WRITE TO  
JAMES GRIMM

*Can you give me any information about the transparent yellow material I have seen used as coverings for shop windows in sunny weather?*

THE amber sheets you speak of can be obtained in the form of spring roller blinds, which can be fixed at the top of your windows internally and pulled down with cords as required. The manufacturers of the material claim that it stops certain rays of the sun from entering the window and causing fading, and also reduces some of the heat inside the window, but it would reduce heat to the same extent as would the shadow cast by an outside blind.

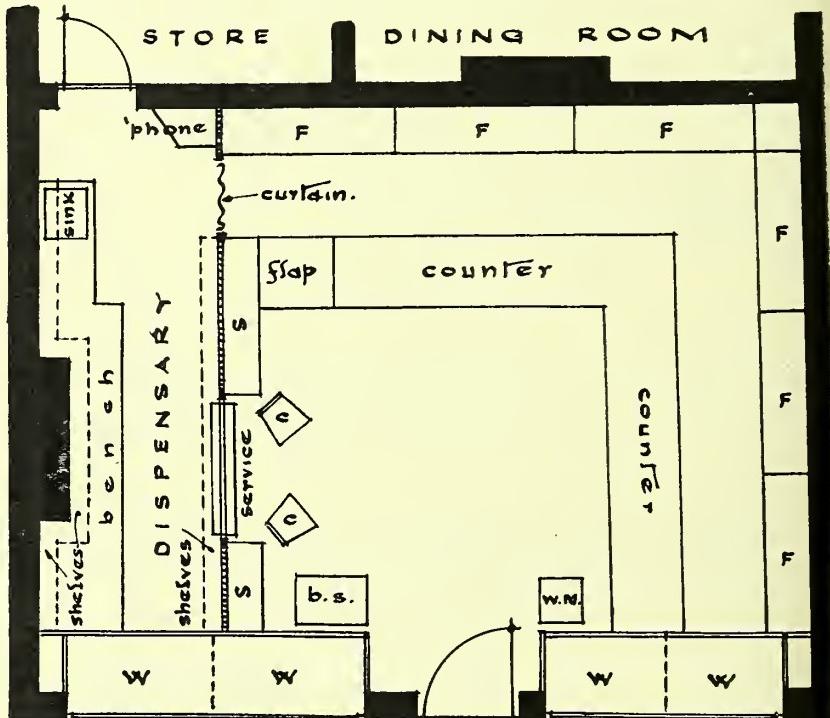
*My shop has a chimney breast (sealed off) on the left wall, and is wider than it is deep. The centre door seems to dictate a symmetrical arrangement of counters, but my problem then is where to put the dispensary. Can you suggest a suitable arrangement?*

IN the plan I have drawn up the dispensary occupies the left-hand wall with a run across the face of the chimney breast, which you say is sealed off on the ground floor. On this wall a dispensing bench is shown with a sink at one end and shelves over. A solid screen from floor to ceiling divides the dispensary from the shop, and there are further shelves (shown by dotted line) on the dispensary side of the screen, in the centre of which is a service shelf at a height of 3 ft. from the floor. The screen at that point is glazed to enable the person dispensing to see into the shop. When prescriptions have been made up and are ready they are passed to the waiting customers across the service shelf. Two chairs are indicated at that point. On the shop side of the screen, and flanking the service opening, two shallow showcases are shown. They are approximately 7 ft. high and have all-glass sliding doors for access. If possible the showcases should be illuminated. The rear and right-hand walls of the shop are fitted with stock fittings with service counters in front. There are a flap and wicket gate at the end of one counter for access into the customer area, and on either side of the entrance way inside the shop are shown a weighing machine and a baby scale. The shopfront is as before, since the two structural brick columns dictate a central entrance with windows on either side. Access between shop and dispensary is through a curtained opening, and just inside the dispensary at that point a small telephone shelf is shown.

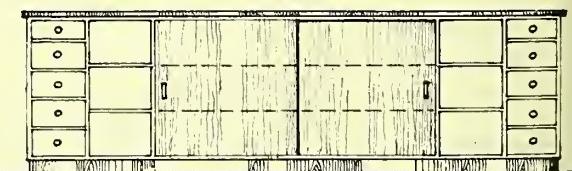
*I have to build a new dispensing bench. The space allows 10 ft. 6 in. length by 3 ft. 2 in. high. Could you suggest the appropriate number of drawers and lockers and any other ideas. I am building it 3 ft. 2 in. high as at that height I have a ledge which up to now has been my first or bottom shelf for dispensing bottles.*

THE adjoining drawing shows a dispensing bench 10 ft. 6 in. long by 3 ft. 2 in. high as requested. You do not mention whether there is a sink or raise the question of plumbing, and I have assumed that you have those facilities elsewhere. The bench would have a hardwood top (possibly teak); or could be covered with a plastic veneer, the edge

of the top being lipped with hardwood. Many colours are available in plastic veneers, either in a weave pattern or plain, and they are hard-wearing. If acids are in frequent use a teak top is often preferable or you might have one area (say a third of the length) covered with lead. At either end of the bench a nest of five drawers is shown. They would have hardwood fronts and knob handles. The drawer widths would be 12 in., and you might want to fit ticket holders on the face of certain drawers to indicate their content. The top drawer of each nest would be shallow and fitted internally with sloping divisions to carry different-sized labels. The second drawer of each nest would also be divided internally, with cross and back-to-front divisions to house corks. All other drawers would be open and without divisions unless for specific needs. Adjoining each nest of drawers would be open locker compartments for bottles, etc., and the shelves could be adjustable to suit alterations from time to time. The width of the open lockers is approximately 14 in. The centre section of the dispensary bench would be a cupboard fitted internally with one or two lines of adjustable wood shelves according to requirements. The wood sliding doors at the front would run upon fibre tracks and blocks, and be fitted with flush-inset bronze finger pulls. You would hardly want locks to the doors, but if you did the doors would have to



Suggested placing of dispensary



be made of plywood approximately 1 in. thick so that a small mortise lock could be fixed within its thickness.

**Have you a shopfitting problem? Write to James Grimm, c/o The Editor.**

## INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

NECOL wart paint      SINCOLIN  
DECALIN diabetic sugar

# HORTICULTURAL FUNGICIDAL PREPARATIONS

## A counter salesman's guide to their makers and their uses

MAKER AND NAME OF PRODUCT	BASIS	USES
<b>CRAVEN, W. J., &amp; CO., LTD.</b>		
Amberene sulphur wash	Stable solution of polysulphidal sulphur	Against apple and pear scab, brown rot, American gooseberry mildew, peach leaf curl or blister, rose mildew, chrysanthemum and carnation rusts.
Aquagen	Zinc colloid	Control of fusarium, botrytis, etc. Used for watering the plants.
Aquilite	Dispersible sulphur	Against apple and pear scab, mildew; American gooseberry mildew; hop-mould, etc.
Canker paint	Emulsified cresylic acid	Against apple canker.
Cheshunt compound	Copper compound	For control of "damping off" in tomato, cucumber and greenhouse plants.
Cupryl dust	Zinc colloid	Control of potato blight.
Grofogen		For control of fungus diseases of plants. Used for dipping cuttings and roots for spraying.
Lime sulphur		Against American gooseberry mildew and apple and pear scab; brown rot (blossom wilt). Lime sulphur should not be used against sulphur-sensitive varieties.
Micolite	Dispersible copper	Against potato blight, hop downy mildew, tomato late blight and against apple and pear scab except copper-sensitive varieties.
Mycol	Colloidal copper	Control of potato blight.
Natrocupryl	Burgundy mixture in powder form	Against fungus diseases of tomatoes and potatoes and against apple canker, brown rot, mildew, scab, leaf curl, American mildew on gooseberries, etc.
Silvex	Organic mercury	Against apple and pear scab; bacterial canker of plums or cherries. Particularly useful for sulphur- and copper-sensitive varieties. Not recommended for use on tomatoes, cucumbers, lettuce and other salad crops.
SR 406	Captan	Control of fungal diseases of plants.
Zinc dimethyl dithio carbamate		Control of fungal diseases of plants.
Zinc ethylene bis dithio carbamate		Control of fungal diseases of plants.
<b>INTERNATIONAL TOXIN PRODUCTS, LTD.</b>		
Autumn and Spring all-purpose wash*	Anti-fungal activity based on treated phenolic fraction	Fungal diseases of fruit trees and bushes such as apples, pears and plums.
<b>E. C. LONGMATE, LTD.</b>		
Bordeaux dusts	24%; 20%; 15%; or 12% metallic copper	Against potato and celery blight.
Burgundy fungicide	Not less than 15.5% metallic copper	Against potato and celery blight.
Colloidal copper		Against hop downy mildew, bacterial canker on cherries and plums; raspberry and loganberry cane spot; currant leaf spot; leaf curl of peaches; prevention of fungoid diseases of tomatoes.
Colloidal sulphur } Dispersible sulphur }		Apple scab and mildew control on apples, hops (powdery), gooseberries, strawberries, grapes, roses; and for blossom wilt and brown rot of cherries and plums.
Copper dust		Control of post-blossom apple and pear scab and control of downy mildew of hops and prevention of fungoid diseases of tomatoes.
Hop Bordeaux powder		Control of downy mildew of hops.
Lime sulphur		Control of apple scab and mildew.
Mercurial fungicide		Control of apple scab and fungoid diseases.
Strawberry sulphur	2½% phenyl mercury chloride dispersible powder	Strawberry mildew.
Sulphur dust		Apple and pear scab, powdery mildew on hops and mildew attacks on gooseberries, strawberries, grapes, roses and peas.
<b>LUNEVALE PRODUCTS, LTD.</b>		
Mercurated lead arsenate	90% sulphur	Control of apple and pear scab.
Venturicide	2% phenyl mercury chloride precipitated on to lead arsenate powder	Control of apple and pear scab. For use where lead arsenate is not required.
Winter fungicide	2½% phenyl mercury chloride Emulsifiable oil containing phenyl mercury oleate	For control of over-wintering scab spores. Also for minimising brown rot and canker.
<b>MURPHY CHEMICAL CO., LTD.</b>		
Bordeaux powder*	Fully reacted Bordeaux mixture Liquid copper ammonium carbonate complex	
Chrysanthemum mildew specific*		

\*=Retail pack available

MAKER AND NAME OF PRODUCT	BASIS	USES
Copper lime dust	Fully reacted Bordeaux mixture with various copper contents, 9%; 16%; 24%	For potato blight or as dusting for apples or hops.
Fungex	Liquid copper ammonium carbonate complex	Mainly for control of tomato blight. Also for peach leaf curl and bacterial canker.
Jennite	Burgundy mixture powder for wet spray	For bacterial canker and apple canker.
Karathane mildew fungicide*	Karathane	Control of apple mildew, rose mildew, chrysanthemum mildew and all white moulds.
Karathane wettable	25% dinitro capryl phenyl crotonate	Control of powdery mildew of apples, cucumbers, roses and other crops.
Lime sulphur*		
Liquid copper fungicide*	Liquid copper ammonium carbonate complex	
Murcurite	Phenyl mercury salt of 8-hydroxy-quinoline	Eradication of apple scab. Good protective qualities.
Murfixtan	Phenyl mercury salt of naphthalene sulphuric acid	Control of apple scab, peach leaf curl, potato blight (as eradicant fungicide).
Murphane wettable	Zineb 65%	Control of fungal diseases of apples and mushrooms.
Orthocide dust	10% captan	Control of apple scab, chiefly on choice dessert varieties, and for control of strawberry grey mould.
Orthocide wettable	50% captan	As above.
Orthocide garden fungicide*	Captan	Control of apple scab, and strawberry mould.
Rose mildew specific*	Liquid copper ammonium carbonate complex	
Sulfadu	Sulphur dust	Against fungal diseases of apples, hops and strawberries.
TMTDS	2% thiram	Control of scab on apples and tulip fire.
Wettable sulphur		Control of apple scab, gooseberry mildew, hop downy mildew.
PAN BRITANNICA INDUSTRIES, LTD.		
Hexyl*	Thiram and lindane	Mildew and rust of chrysanthemums; apple and pear mildew and scab; mildew, rust and black spot of roses; leaf mould of tomatoes; tulip fire; and mildews and rust diseases of flowers generally. The product is a combined insecticide and fungicide.
PLANT PROTECTION LTD.		
Fernasan A	Thiram	Protection against seed decay and pre-emergence damping off in peas, field beans, broad beans, brassicas, lettuce, cucumbers, marrows, melons, spinach, carrots, onions, maize and sweet corn.
Fernide	Concentrated, dispersible fungicide containing thiram	Against tulip fire, carnation rust, pear scab, leaf spot and rust on currants, raspberry cane spot, strawberry botrytis.
Gammasan	Gamma BHC and thiram	As a seed dressing for field brassicas.
Perenox	Approximately 5% copper as cuprous oxide	Against potato and tomato blight, celery leaf spot, peach leaf curl, hop downy mildew.
P.P. captan 50 wettable	Organic mercury	Apple and pear scab.
P.P. mercurial fungicide		Apple scab of Bramley seedling and Worcester Pearmain and other varieties where local conditions satisfactory.
Seed saver*	Thiram	Vegetable seed dressing for treatment of peas, beans, brassicas, etc.
Shirlan A.G.	Dispersible paste fungicide containing salicylanilide	Against tomato leaf mould, cucumber and chrysanthemum mildews, rose and delphinium mildews and "fire" disease of tulips, botrytis stem lesions on tomatoes.
Spersul*	Minimum sulphur content 73%	Against apple scab and mildew, gooseberry mildew, peach mildew, strawberry mildew, powdery mildew (or mould) of hops and other powdery mildews.
Sulfinette lime sulphur		Apple scab, blackcurrant big bud, gooseberry mildew and other powdery mildews.
Sulphocloud	Fine sulphur preparation	Powdery mildew of strawberries.
Tulisan*	Thiram	Leaf mould of tomatoes, black spot, mildew and rust of roses, mildew and rust of chrysanthemums and other diseases attacking ornamentals.
SHELL CHEMICAL CO., LTD.		
Coppicide*	50% copper as oxychloride	Fungus and mildew diseases, particularly of potatoes, onions, cucumbers, celery, tomatoes, roses and narcissi.
Sulficide*	Dispersible sulphur	Apple and pear scab and mildew; gooseberry mildew and rust; strawberry and rose mildew; chrysanthemum mildew.

# A wider field in Local Anaesthesia

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For a more consistent and rapidly-produced field of local anaesthesia,

Rondase—the spreading factor—can be used with any infiltration anaesthetic.

In the manipulation and reduction of fractures this procedure does away with the need for a general anaesthetic.

In the treatment of mild and moderate sprains of the limb-joints Rondase assists in producing

anaesthesia and also in the dispersal of effusion.

In plastic surgery, anaesthesia of the donor area is assisted by Rondase; the addition of  $\frac{1}{1000}$  adrenaline prevents systemic dispersal of the anaesthetic and demarcates the area anaesthetised.

Information on other uses for Rondase and fuller details of technique are available from the Medical Information Department.

## *RONDASE*

(HYALURONIDASE-EVANS)

*Presentation:* Rubber-capped vials each containing 1000 i.u. in boxes of 6 and 25.

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EVANS MEDICAL SUPPLIES LTD.

LIVERPOOL



LONDON



reducing  
the  
risk of  
reducing

# PRELUDIN

brand of 2-phenyl-3-methyl-tetrahydro-1,4-oxazine-hydrochloride

\* PRELUDIN—the appetite controlling agent that doesn't raise the blood pressure. PRELUDIN is the safest possible weight-reducing treatment for all obese patients—particularly those with cardiovascular disorders or hypertension. Here, for the first time, is a powerful appetite controlling agent that curbs the appetite, breaks the psychogenic overeating habit, and controls food intake without serious side effects. It enables the patient to lose

weight safely and without mental strain by strengthening adherence to a prescribed diet. PRELUDIN in recommended dosage does not raise the blood pressure and does not create excessive mental stimulation. It is the prescription of choice in all cases of obesity—especially those with cardiovascular disorders—because it reduces the risk of reducing.

**Preludin—the safe prescription for obesity**

Preludin tablets are available in tubes of 20 and bottles of 250.



Manufactured and distributed in England by Pfizer Ltd., Folkestone, Kent, for  
C. H. Boehringer Sohn, Ingelheim am Rhein,  
Registered proprietors of the trade mark. \*Regd. Trade Mark

## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 30: Prices in the CRUDE DRUGS market remained generally steady during the week, despite quiet trading conditions. There were no changes in PHARMACEUTICAL CHEMICALS, but increases, especially in lower-priced items, may be expected shortly, with the coming into force of higher charges for coal and coke.

HONEY prices were fractionally easier because of a slackening in demand rather than any improvement in the forward supply position. For the same reason BEESWAX was lower although in that instance the new rates represent a considerable drop from the peak of a month or so ago. On the other hand CARNAUBA and CANDELILLA WAXES are much higher; shortage of supplies in Brazil and heavy American buying were said to be responsible for the uplift in carnauba. Brazilian MENTHOL maintained its price but Chinese material eased slightly from the higher position noted in the previous week. Tinnevelly SENNA LEAVES are now scarce on the spot and it is believed that there are no prime No. 1 available.

Among ESSENTIAL OILS most changes were in a downward direction an exception being Madagascar CLOVE LEAF for shipment which was quoted at 8s. 4d. per lb. against 7s. 8d. previously. Lower per lb. were Brazilian BOIS DE ROSE (by 1s. 6d.), Chinese-type EUCALYPTUS (threepence), Chinese PEPPERMINT (2s. 6d.), ANISE (threepence), LEMONGRASS (one shilling), and PATCHOULI (1s. 6d.). Ceylon CITRONELLA was dearer by threepence at 7s. per lb. although the shipment value was lower at 6s. 4½d., c.i.f. Formosan citronella was also lower in all positions.

### Pharmaceutical Chemicals

**AMIDOL.**—Quotations for 1-cwt. lots are 20s. per lb.

**BARBITONE.**—Rate per lb. for 1-cwt. lots is 24s. per lb. The SODIUM derivative is 24s. 6d. per lb.

**CALCIUM CARBONATE.**—B.P. light-precipitated powder is £28 per ton, ex store. Minimum 1-ton lots.

**CALCIUM GLUCONATE.**—Quantities of 3-cwt. and upwards are quoted at 3s. 9d. per lb.; 1-cwt. to 2-cwt., 3s. 10d.

**DICOPHANE (DDT).**—Prices are as follows:—1-cwt. lots, 3s. 2d. per lb.; 1-ton, 2s. 11d.

**GUAIACOLS.**—LIQUID, B.P. is 16s. 3d. per lb. for 28-lb. lots; CRYSTALS, 16s. 9d.; CARBONATE, 18s. 3d.

**HOMATROPINE.**—Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 28s. 6d.; HYDROBROMIDE, 23s. 6d.; HYDROCHLORIDE, 27s. 6d.; METHYLBROMIDE, 24s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

**HYDRAZINE HYDRATE.**—Price per ton is £153 for the 10 per cent. (w/v) solution and £33 for the 2½ per cent.

**HYOSCINE HYDROBROMIDE.**—Scarce. 1-oz. lots are from 97s. 6d. to 115s. per oz. as to quantity and holder.

**IRON SALTS.**—SULPHATE, B.P. crystals are 8½d. per lb. in 28-lb. lots; 1-cwt. is 5s. 3d. per cwt. and 5-cwt., 48s. 9d. per cwt. Granulated and pea crystals are 2s. 6d. per cwt. more; SULPHATE, EXSICATED is 1s. 3d. per lb. for 28-lb. 1-cwt., 111s.; 5-cwt., 107s. per cwt., 1-cwt. fibre

kegs free, other packages extra. PHOSPHATE, SACCHARATED, B.P.C., 28-lb. lots are 3s. 6d. per lb. OXIDE, RED PRECIPITATED, B.P.C., 1-cwt., 1s. 11½d. per lb.; CARBONATE, SACCHARATED, B.P.C., 28-lb., 3s. 1-cwt., 2s. 8d. — AMMONIUM SULPHATE, 1 cwt., 1s. 6½d. per lb.

**LACTOSE.**—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £137 per ton, delivered in the United Kingdom.

**PHENAZONE.**—Minimum price for quantity is 13s. 10½d. per lb. with usual differentials for smaller lots. 1-cwt. is now 14s. 1½d. per lb.

**PHENOBARBITONE.**—1-cwt. lots are 22s. 6d. per lb.

**PHENOL.**—Basic price for ice crystals in drums is 1s. 4½d. per lb., and for detached crystals, 1s. 11d. LIQUID, B.P., 1s. 9d.; COMMERCIAL, 1s. 2½d.

**PHENYTOIN SODIUM.**—B.P. is 23s. per lb. in 1-cwt. lots.

**PHYSOSTIGMINE.**—Current rates per oz. are:—SALICYLATE, 1-oz., 282s.; 4-oz., 276s. SULPHATE, 358s. and 352s. ALKALOID, 414s. and 408s., respectively.

**POTASSIUM ACETATE.**—B.P. is 2s. 8d. per lb. in 1-cwt. lots.

**POTASSIUM CHLORIDE.**—In 1-cwt. lots B.P. is 2s. per lb.

**POTASSIUM NITRATE.**—Pharmacopeial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

**POTASSIUM PERMANGANATE.**—Rate for B.P. material for 1-cwt. lots is 1s. 9d. per lb., and for technical, 183s. 6d. per cwt.

**PROCAINE HYDROCHLORIDE.**—1-cwt. lots are 30s. per lb.

**PYROGALLIC ACID.**—Pure crystals are 18s. per lb. in 1-cwt. lots.

**SALICYLAMIDE.**—Price (per lb.) for 1-cwt. lots is 8s. 6d.

**SANTONIN.**—The following prices (per kilo) apply in the home market, including Eire:—25-kilo lots, 800s.; 10-kilo, 860s.; 5-kilo, 880s.; 1-kilo, 900s.

**SODIUM METABISULPHITE.**—Granular in 1-ton lots is from £46 2s. 6d. to £50 7s. 6d. per ton according to packing.

**SODIUM PHOSPHATE.**—B.P. powder is 12s. per cwt.

**SODIUM SULPHATE.**—Makers' prices for B.P. range from £11 10s. to £18 17s. 6d. per ton as to crystal and quantity, ex works.

**STRYCHNINE.**—Minimum rates per oz. (1.000-oz. lots) include:—ALKALOID, 5s. 7½d.; HYDROCHLORIDE, 4s. 6½d.; SULPHATE, 4s. 8½d.

**SULPHACETAMIDE.**—Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

**SULPHAGUANIDINE.**—Manufacturers' rates for 1-cwt. lots are about 14s. 6d. per lb.

**SULPHANILAMIDE.**—Manufacturers' rates are from 6s. 3d. per lb.

**SULPHATHIAZOLE.**—Price (per lb.) for 1-cwt. lots is 16s. 6d.

**SULPHUR.**—B.P. PRECIPITATED is from 40s. to 55s. per cwt., as to quality on the spot. SHIPMENT, 65s., c.i.f.

**TERPIN HYDRATE.**—Prices are from 5s. per lb. upwards as to quantity.

**THEOBROMINE.**—Alkaloid is 28s. 6d. per lb. for 1-cwt. lots and the SODIUM SALICYLATE, 19s. 3d. per lb.

**THEOPHYLLINE.**—1-cwt. lots of ALKALOID are quoted at 18s. 6d. per lb. and AMINOPHYLLINE at 22s. 6d.

### Alcohol

PRICES of plain BRITISH SPIRIT per proof gall. are as follows:—

**Ethyl Alcohol.**—(95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended December 31 is 300,000 or over the price is 2s. 9d.; 200,000 and less than 300,000, 2s. 9½d.; 100,000 and less than 200,000, 2s. 10d.; 50,000 and less than 100,000, 2s. 10½d.; 10,000 and less than 50,000, 2s. 11d.; 2,500 and less than 10,000 2s. 11½d. Prices are exclusive of duty and are for tank wagon lots.

The following grades are subject to a premium on the above prices as follows:—

**Absolute Alcohol.**—99.5 per cent., 74.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 72.2 o.p.), 5d. more; **Doubly - Rectified Alcohol (S.V.R.).**—95.8 per cent., 68 o.p. is 4d. more and P.I. **Rectified Alcohol**, 96.1 per cent., 68.5 o.p., 8d. more. **R. R. Absolute Alcohol** (re-rectified, 99.7 per cent., 75 o.p.), 12s. 6d. per bulk gall. net.

### Methylated Spirits

METHYLATORS' rates per gall. in Great Britain are as follows:—

**Industrial Methylated spirit.**—Strength 61 o.p., 500 gall. and over in one delivery, 4s. 9½d.; 100 gall. and under 500 gall., 5s. 0d.; 30 gall. and under 100 gall., 5s. 3½d.; 10 gall. and under 30 gall., 5s. 6d.; 5 gall. and under 10 gall., 5s. 9½d. Strength 64 o.p., 1d. per gall., 66 o.p. (B.P.), 2d.; 68 o.p., 2½d. more than the above rates with 74 o.p. from 4d. to 9d. more according to quantity. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 5s. 4d. for 500 gall. to 6s. 2½d. for 5-10 gall. of 61 o.p.

**Pyridinised industrial methylated spirit:**—Strength 61 o.p., 500 gall. and over, in one delivery, 5s. 0d.; 100 gall. and under 500 gall., 5s. 3½d.; 30 gall. and under 100 gall., 5s. 6d.; 10 gall. and under 30 gall., 5s. 9½d.; 5 gall. and under 10 gall., 6s. 0d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

**Mineralised methylated spirit:**—Strength 61 o.p. in one delivery, 100 gall. and under 500 gall., 5s. 5d.; 30 gall. and under 100 gall., 5s. 8d.; 10 gall. and under 30 gall., 5s. 11d.; 5 gall. and under 10 gall., 6s. 2d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

**Methylated resin finish:**—3d. per gall. over and **methylated shellac finish** is 1s. per gall. over the prices for pyridinised methylated spirit.

**Terms:**—Delivered free and carriage paid on returned empties; net cash one month.

### Crude Drugs

**AGAR.**—*Kobé* No. 1 is from 12s. 3d. per lb., duty paid, and 10s. 10d., c.i.f.

**ANISEED (STAR).**—Chinese is offered at 142s. 6d. per cwt., duty paid and 125s. c.i.f., for shipment.

**ARECA NUTS.**—Quotations are from 40s. to 55s. per cwt., as to quality on the spot. SHIPMENT, 65s., c.i.f.

**CASCARA SAGRADA.**—American 1954 peel is offered at 260s. per cwt., duty paid.

**CASSIA BARK.** — Whole on the spot is about 90s. per cwt., in bond and for forward delivery, 80s. c.i.f. Broken, 75s., in bond, and 67s. 6d. c.i.f.

**CHILLIES.** — Mombasa, spot 330s. per cwt., 300s. c.i.f.

**CINCHONA.** — Offers include Tanganyika chips testing 5·75 per cent. t.a. at 1s. 1d. per lb. and testing 6·97 per cent. t.a. at 1s. 6d. Other high testing material up to 2s.

**GENTIAN.** — Very scarce with 150s. per cwt. asked for spot. No shipment offers.

**GINGER.** — African is offered on the spot at 237s. 6d. per cwt., with shipment at 230s., c.i.f. Jamaican No. 3 for May-June shipment, 520s., c.i.f.

**GUM ACACIA.** — Kordofan cleaned sorts on the spot are 140s. per cwt.; afloat, 130s., c.i.f., and shipment, 128s., c.i.f.

**HENNA.** — Indian is 10s. per cwt. on the spot.

**HONEY.** — Australian light-amber is 140s. and medium-amber, 140s.; Argentine material offered at 152s. Jamaican new-season is 150s. to 155s., all per cwt., on the spot.

**HYDRASTIS.** — Root is from 19s. 6d. per lb. on the spot.

**IPECACUANHA.** — Nicaraguan, 56s. per lb., 51s. 6d. for average test on the spot.; Colombian, 52s. spot, and 4s. 6d., c.i.f. Matto Grosso, 46s. 6d., c.i.f.

**KARAYA.** — No. 1 gum on the spot is now quoted at 295s. per cwt., and No. 2 at 255s.

**KOLA NUTS.** — Jamaican are offered at about 8d. per lb., spot, and African, 5½d.

**LIQUORICE.** — Quotations (per cwt.) for natural root are: Anatolian, 55s.; Russian, 42s. 6d.; Persian, 35s. Black juice is 200s. per cwt. for the Anatolian and 195s. for Chinese on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

**LOBELIA HERB.** — Spot material is 11s. per lb. July-August shipment, 4s. 10d., c. and f., quoted.

**LYCOPODIUM.** — Supplies of Russian triple-sifted are scarce on the spot and for shipment.

**MACE.** — Whole on the spot is 22s. per lb.

**MENTHOL.** — Chinese, 46s. 6d. per lb. in bond (48s. 6d., duty paid). June-July shipment, 45s. c.i.f. Brazilian, 40s., in bond; 39s., c.i.f.

**MERCURY.** — Per flask (76-lb.) £85 on the spot.

**MYRRH.** — A small parcel of sorts on the spot offered around £18 10s. per cwt.

**NUTMEGS.** — West Indian for shipment official prices, 3s. 3d. per lb. for wormy and broken; 4s. 7d. for sound unassorted, f.o.b. terms.

**PAPAIN.** — Spot value for East African grade one is 21s. per lb. Ceylon brown is scarce on the spot; shipment, 15s., c.i.f.

**PEPPER.** — Lower. White Sarawak on spot is now 2s. 1d. per lb. and for June shipment, 1s. 11d., c.i.f. Black Sarawak is 1s. 10½d. per lb., spot, and June shipment, 1s. 6½d., c.i.f. Black Malabar is unchanged at 270s. per cwt. on the spot; June shipment, 240s., c.i.f.

**PIMENTO.** — Forward rate is now 520s. per cwt., c.i.f.

**PODOPHYLLUM.** — *Emodi* is quoted at 150s. per cwt. ex wharf. Indication for new-crop *Peltatum*, 500s., landed.

**PSYLLIUM.** — Indian seeds are quoted at 1s. 1d. per lb. on the spot.

**QUILLIAIA.** — Spot offers of bark are about 225s. per cwt. with shipment about 180s., c.i.f.

**SAFFRON.** — Firm. Mancha superior on the spot is from 260s. per lb.

**SEEDS.** — (Per cwt.). **ANISE.** — Tunisian quoted at 230s., in bond; Spanish, 260s., duty paid. **CARAWAY.** — Dutch quiet with sellers on spot asking 137s. 6d., duty paid. **CELERY.** — Indian offered at 140s. spot, French has been quoted at 308s., duty paid. **CORIANDER.** — Small business passing on spot. Moroccan nominal 95s., duty paid. Rumanian or Danubian, 62s. 6d.; splits, 55s. and Bulgarian smalls, 50s., all duty paid. **CUMIN.** — Spot, Cyprian, 130s.; Moroccan, 135s., duty paid. **DILL.** — Indian offering at 65s., spot; shipment, 50s., c.i.f. **FENNEL.** — Quiet. Indian offering at 95s., spot. **FENUGREEK.** — Firm. Spot Indian, 72s. 6d. and Moroccan, 70s., duty paid. **MUSTARD.** — English, 57s. 6d. to 75s., according to quality.

**SENEGA.** — Spot is 19s. per lb. Shipment, new-crop, July-August, 16s. 9d. to 17s., c.i.f., quoted. **SENNA.** — *Tinnevelly* LEAVES (per lb.) Prime No. 3, 7½d.; f.a.q. No. 3, 7d., spot; PODS, f.a.q., 6d., c.i.f. *Alexandrian* manufacturing pods, 1s. to 1s. 3d., spot; hand-picked are from 4s. 6d. to 6s. 9d. per lb. as to quality. **SHELLAC.** — F.O.T.N., 277s. 6d. per cwt.; F.O. No. 1, 295s.; fine orange, 330s. to 390s.

**STYRAX.** — Spot value is 5s. 9d. per lb., duty paid. **TONQUIN BEANS.** — Para frosted are 6s. 6d. per lb. on the spot. **TRAGACANTH.** — No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140. **TURMERIC.** — Madras finger on the spot is unchanged at 125s. per cwt. with June shipment now 85s., c.i.f.

**VALERIAN ROOT.** — Indian on the spot is 140s. per cwt. Dutch, 182s., c.i.f.

**VANILLIN.** — Rates (per lb.) are:— 5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

**WAXES.** — **BEES'** — Dar-es-Salaam, shipment, 530s., c.i.f., spot, 560s.; Sudanese, 525s., duty paid, and 475s., c.i.f.; Abyssinian, spot 570s., duty paid; shipment, 490s., c.i.f. **CANDELILLA.** — Shipment, 500s. per cwt. landed; spot is scarce. **CARNAUBA.** — Fatty grey, spot, 610s. per cwt.; for shipment, 590s., c.i.f. Prime yellow, spot, 1,010s.; shipment, 610s., c.i.f., nominal.

### Essential andExpressed Oils

**ALMOND.** — B.P. imported oil is 8s. 6d. to 10s. per lb., landed.

**AMBER.** — Rectified on the spot quoted at from 1s. 6d. per lb.

**ANGELICA.** — Seed, 225s. per lb.; root, 400s.

**ANISE.** — Chinese, 16s. per lb., spot; 15s. 3d., c.i.f.

**BERGAMOT.** — Spot quotations are now 65s. per lb.

**BIRCH TAR.** — Rectified is about 14s. per lb. in 1-cwt. lots.

**BOIS DE ROSE.** — Brazilian is 26s. per lb. on the spot and 23s. 6d., c.i.f.

**CARDAMOM.** — Price per lb. is from 360s. for English distilled and from 265s. to 295s. for imported.

**CASSIA.** — Original drums are about 14s. per lb. on the spot. Shipment, 13s. 3d., c.i.f.

**CITRONELLA.** — Ceylon, 7s. per lb. spot; shipment, 6s. 4½d., c.i.f. Formosa spot, 12s. 6d., in bond; June-July shipment, 9s. 6d., c.i.f. Java, 12s. 3d., c.i.f.

**CLOVE.** — Madagascar leaf is 9s. 3d. per lb., duty paid and 8s. 4d., c.i.f., for shipment. Rectified 87-88 per cent., 14s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

**COD-LIVER.** — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

**EUCALYPTUS.** — Australian 70 to 75 per cent. eucalyptol on the spot is 5s. 8d. per lb.; 80 to 85 per cent., 6s. 4d. Spanish 70 to 75 per cent. at 5s. 6d., duty paid. Chinese type, 4s. 9d., duty paid.

**GRAPEFRUIT.** — Jamaican is 16s. 6d. per lb.

**LAVANDIN.** — Spot is from 12s. to 15s. per lb. as to quality, for original drums.

**LAVENDER.** — B.P. French oil, 38-40 per cent. linalol on the spot is available at 73s. 6d. per lb. with 40-42 at 78s. 6d. Best Grasse for shipment is nominally 100s., c.i.f.

**LAVENDER SPIKE.** — Spanish is offered at 13s. 6d. per lb. on the spot.

**LEMON.** — Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 40s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f. as to quality, subject to licence.

**LEMONGRASS.** — Spot, 14s. per lb.; new-crop, June-July, 12s. 3d., c.i.f.

**LIME.** — Supplies of West Indian distilled are offered from 30s. to 32s. per lb. on the spot.

**ORANGE.** — Spot quotations of sweet oil are from 4s. 6d. per lb. for Floridian to 21s. for West African. For shipment, proprietary brand Californian sweet is 6s. 13d., c.i.f. and cold-pressed, U.S.P., 9s. 4d., c.i.f. Terpeneless is 210s. per lb., spot. Bitter orange oil is 20s. per lb.

**ORIGANUM.** — Sellers of 75 per cent. phenols at 13s. 6d. per lb.

**PATCHOULI.** — Penang is 41s. 6d. duty paid, and 35s. 6d., c.i.f.

**PEPPERMINT.** — *Arvensis*: Chinese is 32s. 6d. per lb. on the spot and 32s. 6d., c.i.f. Brazilian, 24s., spot, and 21s., c.i.f. Italian "Mitcham"-type oil is from 70s., spot, and American, 42s. 6d. to 47s. 6d. English Mitcham, 190s. to 200s.

**PETITGRAIN.** — Paraguay, spot, 24s. 6d. to 25s. 6d. per lb., as to brand.

**PIMENTO.** — English-distilled berry is 180s. per lb., imported is 67s. 6d. Rectified leaf (imported), 27s. 6d. per lb.

**PINE.** — *Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 9s. Siberian (*abietis*), 12s. 6d.

**ROSEMARY.** — Spanish oil on the spot is from 5s. to 5s. 6d. per lb., duty paid, for drum lots, as to quality.

**RUE.** — Spot offers are from 15s. per lb.

**SAGE.** — Spanish is offered at from 8s. per lb. and Dalmatian, 30s.

**SANDALWOOD.** — Mysore is 90s. per lb. on the spot.

**SASSAFRAS.** — Brazilian is 4s. 7d. per lb. duty paid.

**SPEARMINT.** — Offers of U.S. oil for shipment are about 35s. 6d. per lb., c.i.f., with spot at 38s. Dutch quoted at 35s. duty paid, with Chinese offered at 27s. 6d.

**TANGERINE.** — Sicilian is from 38s. to 48s. per lb., on the spot.

**THYME.** — Spot is 9s. per lb. for the B.P.C.

### UNITED STATES REPORT

**NEW YORK, MAY 29:** Japanese MENTHOL followed the Brazilian material and was reduced by 50 cents to \$7·50 a lb. CRUDE DRUGS were little changed except for a five-cent decline in SENEGETAL to \$2·95 per lb. and a 50 cents decline in IPECACUANHA to \$6·50 per lb. EUCA LYPTOL was ten cents lower at \$1·25 per lb. Higher per lb. among the ESSENTIAL OILS were Ceylon CITRONELLA at 9s. cents (up three cents); sweet ALMOND \$1·25 (ten cents); and LIME, \$3·75 (2 cents). SANDALWOOD was lower by 2 cents at \$14·00.

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 16

For preparations for retarding or regulating the growth of plants (1)

RIDTOP, B745,859, by Fisons Pest Control, Ltd., Bourn, Cambs.

For dressing preparations for use as finishing agents, all being chemical products used in industry (1)

A-PLEX, 747,330, by Rohm & Haas, G.m.b.H., Darmstadt, Germany.

For chemical products used in industry and science (1)

CYRADEX, 749,320, by Mullard, Ltd., London, W.C.2.

For chemical products used in agriculture and horticulture (1)

ALDOR, B749,574, by Boots Pure Drug Co., Ltd., Nottingham.

For chemical charges for fire-extinguishing apparatus (1)

Device, 750,545, by Nu-Swift, Ltd., Elland, Yorks.

For sensitised photographic film (1)

SELOPAN, 750,710, by Ilford, Ltd., Ilford, Essex.

For chemical products for use in industry (1)

ALPEROX, 751,359, by Wallace & Tierman, Ltd., London, W.4.

For essential oils, perfumes; and aromatic preparations for use as ingredients in perfumes and soaps (3)

MAXIMAROME, B744,944, by Camilli, Albert & Laloue, S.A., Grasse, France. Device with the wording SYNTOMATIC PER-FUMES AROMATICS ESSENTIAL OILS MATERIALS, 742,979, by Syntomatic Corporation, New York, U.S.A.

For common soaps for sale in Northern Rhodesia (3)

SAMBA, SKYLINE, 747,346-47, by Rhodesian Industries Co. (Private), Ltd., Salisbury, Southern Rhodesia.

For cleaning, polishing, scouring and abrasive preparations (3)

INSUL, 749,308, by Evode, Ltd., Stafford.

For non-medicated toilet creams for the hands (3)

Device with the word BREAM, 749,937, by John Edward Brown, Murton, co., Durham.

For carpet-cleaning preparations (3)

Device with the word FOAMY, 750,311, by Secto Co., Ltd., Blackburn, Lancs.

For antibiotic preparations for use in plant diseases (5)

AGRI-MYCIN, 739,863, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For hormone preparations for pharmaceutical use (5)

DELTACORTONE, 742,232, by Merck & Co., Inc., Rahway, New Jersey, U.S.A.

For pharmaceutical preparations and substances (5)

STAPAS, 746,578, by Societe Anonyme des Laboratoires du Docteur Debat, Paris, France. SEDASON, 747,770, by Clinical Products, Ltd., Richmond, Surrey. ENZOLETS, 749,571, by Boots Pure Drug Co., Ltd., Nottingham. DURABOLIN, DURALUTON, 750,465, 750,467, by Organon Laboratories, Ltd., London, W.C.2. ULBREVAL, 750,745, OLETRON, OSPOLOT, SINPRO, 750,790-92, by Farbenfabriken Bayer A.G., Leverkusen, Germany.

For pharmaceutical preparations of vitamins for horses (5)

Device of the word EQUIPLEX, 747,496, by Agrifor Products, Ltd., London, E.C.1.

For lotions, ointments and powder, all being medicated preparations for infants (5)

Device of the word NAPARENE, 748,975, by Home Makers Products (Canada), Ltd., Toronto, Canada.

For veterinary preparations (5)

ALDOR, B749,575, by Boots Pure Drug Co., Ltd., Nottingham.

For chemical substances used in medicine and pharmacy, and infants' and invalids' foods, all containing vitamin C (5)

ROSAMIN-C, 747,405, by Lamb Bros, (Dublin), Ltd., Dublin, Eire.

For pharmaceutical preparations for use in the treatment of the eyes (5)

HYDROPTIC, 748,681, by Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts.

For sanitary towels (5)

Device, with the wording KORONET K, 750,002, by Southalls (Birmingham), Ltd., Birmingham, 8.

For medicated confectionery (5)

BLACK VELVET, 750,083, by Barratt & Co., Ltd., London, N.22.

For insecticides, fungicides, germicides, disinfectants, and preparations for killing weeds and destroying vermin and woodworm (5)

Device, 750,312, by Secto Co., Ltd., Blackburn, Lancs.

For all goods (5)

NOVTRACT, NOVUTRAX, 750,539-40, by Willows Francis, Ltd., Epsom, Surrey.

For hand-cleaning preparations containing pharmaceutical preparations for treating and preventing dermatitis (5)

LANOCLEANSE, 750,744, by Smith Bros. & Co. (Oil Distillers), Ltd., London, E.15.

For machines for spraying liquids and powders for agricultural, horticultural and sanitary purposes (7)

HANDOP, 748,635, by E. Allman & Co., Ltd., Chichester, Sussex.

For photographic apparatus, etc. (9)

ANSCO, 703,539, by Agfa Camera Werk Munchen, Munich, Germany. AIREQUIPT, 747,363, by Airequipt Manufacturing Co., Inc., New Rochelle, U.S.A.

For optical apparatus (9)

OPTACOLOGY, 747,672, by Watson, Manasty & Co., Ltd., Kingston-on-Thames, Surrey.

For photographic equipment (9)

LUXA, 750,095, BALDIX, BALDIXETTE, 750,303-04, by Julius Joseph Silber, London, W.C.1.

For chemical apparatus (9)

TITROMATIC, 750,243, by Electronic Instruments, Ltd., Richmond, Surrey.

For apparatus for dispensing measured quantities of liquid (9)

FULMEN, 750,733, by Fulmen Engineering, Ltd., London, E.18.

For electronic flashlight attachments for photographic cameras (9)

LECTOFLASH, 750,752, by British Optical & Precision Engineers, Ltd., London, W.1.

For napkin holders for wear by infants (25)

SNAPIKINS, 745,150, by Philip Wyndham Friend, London, S.W.1.

For flavourings (other than essential oils); and aromatic preparations for food (30)

Device with words S SYNTOMATIC PER-FUMES AROMATICS ESSENTIAL OILS MATERIALS, 742,980, by Syntomatic Corporation, New York, U.S.A.

For malt and malt extract; and foodstuffs for animals containing malt (31)

AROMALT, 749,557, by Montgomerie & Co., Ltd., Glasgow.

From the "Trade Marks Journal," May 23

For chemical products for use in industry and food (I)

Device, 728,832, by Joh. A. Benckiser, G.m.b.H., Chemische Fabrik, Ludwigshafen-on-Rhine, Germany.

For sensitised photographic films (1)

AGFA-ISOCHROM, 742,162, by Agfa, A.G. für Photofabrikation, Leverkusen-Bayerwerk, Germany.

For chemical products used in industry, science and photography; for preserving foodstuffs; and synthetic resins (1)

Device with the word TEXAGLANZ, 747,332, by Rohm & Haas, G.m.b.H., Darmstadt, Germany. Device, 749,749, by Veb Elektrochemisches Kombinat Bitterfeld, Bitterfeld, Germany.

For chemical products applied by spraying for use in agriculture (1)

Device with the words JUVARE FILIS THE SACK, 750,228, by Chisholm Fox & Garner, Ltd., Hull, Yorks.

For chemical compositions for absorbing moisture (1)

BLUE MAGIC, 750,824, by British Duplex Scals, Ltd., London, W.1.

For chemical products for use in manufacture (1)

PLEXALKYD, 750,845, by Rohm & Haas, G.m.b.H., Darmstadt, Germany.

For chemical substances used as dispersing agents in the leather industry (1)

LUTAMOL, 750,904, by Badische Anilin- & Soda-Fabrik, A.G., Ludwigshaven-on-Rhine, Germany.

For chemical products for use in industry and science (1)

GILMAZ, 750,962, by National Alloys, Ltd., London, E.C.2.

For photographic chemicals (1)

COPYPHEN, 751,064, by Ilford, Ltd., Ilford, Essex.

For chemical products for use in industry (1)

LUPERCO, LUPEROX, LUPERSOL, 751,360-62, by Wallace & Tiernan, Ltd., London, W.4.

For preparations for waving the hair and make-up kits comprising such preparations (3)

EPIC, 746,390, by the Gillette Co., Boston, U.S.A.

For perfumes, non-medicated toilet preparations, cosmetics, and preparations for the hair (3)

GLO-AHEAD, 749,638, by Steiner Products, Ltd., London, W.1.

For soaps, perfumes, non-medicated toilet preparations, and cosmetic preparations (3)

SECRET MAGIC, 749,829, by Crystal Products Co., Ltd., Surbiton, Surrey.

For non-medicated toilet preparations for the hands (3)

HAND-LO, 750,944, by Beauty Counselors of London, Ltd., London, S.W.1.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Sunday, June 3

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, Mannings Heath, at 10 a.m. Bogey competition for prize donated by Mr. G. G. Jamieson.

### Monday, June 4

DRUG TRADE APPEAL FUND, council room, Association of British Pharmaceutical Industry, Tavistock House South, Tavistock Square, London, W.C.1, at 2 p.m. Biennial meeting of trustees and subscribers.

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial hotel, Hull, at 1.30 p.m. Luncheon club.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, public library, Beckenham, at 8 p.m. Dr. P. W. Muggleton on "The Production of Antibacterial and Antiviral Vaccines."

### Tuesday, June 5

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird café, Parliament Street, Harrogate, at 8 p.m. Annual meeting

### Wednesday, June 6

SOUTH SHIELDS PHARMACISTS' ASSOCIATION, W. D. & H. O. Wills branch of the Imperial Tobacco Co., Ltd., Newcastle-on-Tyne, at 2.15 p.m. Factory tour. Assemble at Westoe for departure, 1.45 p.m.

### Thursday, June 7

AGRICULTURAL GROUP, SOCIETY OF CHEMICAL INDUSTRY, Jealotts Hill Research Station, Bracknell, Berks, at 11 a.m. Annual summer meeting.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Shakespeare Memorial Theatre, Stratford-on-Avon. Visit. Coach leaves Nottingham at 2.30 p.m. Ticket, 34s. 6d., from Mr. K. Brooke, 37 Station Street, Nottingham.

SOUTHERN AREA, INSTITUTE OF PACKAGING, Management House, 8 Hill Street, London, W.1, at 6.30 p.m. Mr. James Pilditch (managing editor, Canadian Packaging) on "Packaging for the North American Market."

## PRINT AND PUBLICITY

### Commercial Television

THE following products are being advertised on the days stated:—

#### MANCHESTER STATION

SUNDAY, June 10: Colgate dental cream (between 7.30 and 10.30 p.m.); Kolynos; Field's French soaps.

DAILY, June 11-16: Field's French soaps.

#### BIRMINGHAM STATION

SUNDAY, June 10: Palmolive soap (between 7.30 and 10.30 p.m.); Colgate dental cream (between 7.30 and 10.30 p.m.); Kolynos.

DAILY, June 11-16: Field's French soaps.

THURSDAY, June 14: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, June 15: Kodak film (between 8 and 10 p.m.).

SATURDAY, June 16: Colgate dental cream (between 7.30 and 10.30 p.m.); Silvikrin liquid shampoo; Brylcreem (between 10 and 10.45 p.m.).

#### LONDON STATION

SUNDAY, June 10: Field's French soaps; Colgate dental cream (between 7.30 and 10.30 p.m.); Beechams' pills; Max Factor beauty preparations (between 8 and 9 p.m.); Brylcreem (between 9.30 and 10.30 p.m.); Anne French preparations.

DAILY, June 11-16: Field's French soaps.

WEDNESDAY, June 13: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.); Kolynos.

FRIDAY, June 15: Kodak film (between 7.55 and 10.5 p.m.); Beechams' pills.

SATURDAY, June 16: Silvikrin liquid shampoo.

### Advertising Campaigns

ENERGEN Foods Co., LTD., Pound Lane, Willesden, London, N.W.10: Energen rolls. In *Sunday Pictorial*, June 3.

ALFRED FRANKS & BARTLETT CO., LTD., 226 Gray's Inn Road, London, W.C.1: Bartex sunglasses. In *Daily Express* (June 15), *Radio Times*, and national newspapers.

GEORGE SALTER & CO., LTD., West Bromwich, Staffs: Salter Mayfair personal weigher. In *John Bull*, *Woman and Beauty*, *Vanity Fair*, *Britannia and Eve*, *Everywoman*, *Good Housekeeping*, *Ideal Home*, *Reader's Digest*.



**"SUMMER GIRL"** ADVERTISEMENT  
THEME: Gillette Industries, Ltd., Isleworth, Middlesex, are embarking on the biggest summer advertising campaign in the company's history. For three months beginning June 1, £100,000 is being spent to advertise the Gillette "rocket set." Running through the campaign will be the theme of the "summer girl" illustrated above.



**FOURTEEN-COLOUR SHOWCARD:** Printed in fourteen colours, the 11 x 7½ in. or 22 x 15 in. showcard illustrated repeats the theme of a poster designed for County Laboratories, Ltd., Honeypot Lane, Stanmore, by the French artist Demachy.

## C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*=Tax 30 per cent.; †=Tax 90 per cent.

CHAPPIE, LTD. (from June 1)	I.R.P.	100	28	6	R
Chappie dog food	8 R	500	131	6	R
	1 3 R				
DIXOR, LTD. (from June 1)	Doz.				
Velvety foundation cream†	10 0	2 0	A		
cleansing cream†	10 0	2 0	A		
skin food†	10 0	2 0	A		
FLETCHER, FLETCHER & CO., LTD. (from June 1)					
Effico tonic* 8-oz. bottle	28 0	4 2	A		
80-oz. winchester	22 0	A			
GEODEON RICHTER (GT. BRITAIN), LTD. (from June 1)					
Riscript tablets					
0·1 mgm.	25	2 0	R		
100	6 0	R			
500	24 0	R			
1,000	40 0	R			
0·25 mgm.	25	3 6	R		
100	10 6	R			
500	42 0	R			
1,000	75 0	R			
0·5 mgm.	25	6 0	R		
100	17 0	R			
500	68 0	R			
1,000	130 0	R			
1 mgm.	25	9 0	R		
100	27 0	R			
500	126 0	R			
	1,000	250 0	R		
H.D.G. (PHARMACEUTICALS), LTD. (purchase tax change)					
Naturelle twinkle glints†	9 0	R	1 11	2	A
	18 0	R	4 0	0	A
twinkle glints dust†	36 0	R	7 3	A	
hair lacquer in spray†	20 0	R	4 0	A	
1-oz. refill	10 0	R	2 0	A	
4-oz. refill	24 0	R	4 10	A	
ROCHE PRODUCTS, LTD. (from June 1)					
Benerva tablets :					
3 mgm.	100	3 0	R		
500	10 0	R			
1,000	18 0	R			
10 mgm.	100	4 6	R		
500	18 6	R			
25 mgm.	100	9 0	R		
500	40 6	R			
50 mgm.	100	15 6	R		
500	72 6	R			
100 mgm.	100	25 0	R		
500	121 0	R			
compound tablets	500	12 6	R		
	1,000	22 6	R		
Becosym tablets	25	3 6	R		
	100	7 9	R		
	500	34 9	R		
Becosym Forte tablets	25	10 6	R		

## WILLS

MR. E. H. BUTLER, Dungoyne, Roundhill Road, Leicester (chairman, E. H. Butler and Son, Ltd., Leicester), left £55,992 (£55,887 net).

MR. C. C. CARTER, M.P.S., 2 Wokingham Road, Reading, left £8,270 (£3,393 net).

MR. W. R. MORGAN, M.P.S., 17 High Street, Rhymney, Mon., left £5,406 (£5,276 net).

MR. H. P. MOSS, F.P.S., 24 Clarence Avenue, Thornton, Cleveleys, Lancs, left £4,311 (£4,181 net).

MR. R. E. NAYLOR, Higher Close, Flambard Avenue, Christchurch, Hants, formerly of West View, York Avenue, Jacksdale, Notts, who qualified as a chemist and druggist in 1903, left £7,908 (£7,865 net).

MR. R. B. PILCHER, O.B.E., F.C.I.S., 72 Rofant Road, Northwood, Middlesex (former registrar and secretary, Royal Institute of Chemistry), left £4,418 (£4,216 net).

MR. G. ROWAT-SMITH, F.P.S., 13 Broadlands Road, London, N.6, left estate in Great Britain valued at £51,631 (£50,815 net). After certain other bequests he left £250 to the Benevolent Fund of the Pharmaceutical Society.

MR. E. TOPPING, M.P.S., 31 Church Street, Preston Lanes, left £42,718 (£42,078 net).

MR. W. S. WILSON, M.P.S., The Elms, Tidington, Stratford-on-Avon, left £6,057 (£6,010 net).

MR. A. G. WRENCH, M.P.S., 137 Shirley Avenue, Croydon, Surrey, left £8,861 (£6,310 net).

MR. E. C. YATES, M.P.S., 197 Chorley Road, Swinton, Lancs, left £16,057 (£15,891 net).

### NEW PRODUCTS AND PACKS

#### THE CROOKES LABORATORIES, LTD.

Each

Veroxil elixir 4 0 6 0

CRYSTAL PRODUCTS, LTD.

Outdoor Girl "magic touch" foundation†

"secret blush"†

lip pencil†

EUCRYL, LTD.

Dentiline denture cleanser 2 6

FOSTER, CLARK, LTD.

Eiffel Tower drinks powder 1 0

unsweetened crystals 1 0

GEDEON RICHTER (GT. BRITAIN), LTD.

Reserbal tablets 25 4 9

100 15 6

250 36 9

HALEX DIVISION, BRITISH XYLONITE CO., LTD.

Halex salt-resisting clothes brush 6 6

HENRY C. MINER, LTD.

Super-Stay lipstick holder 2 9

swivel refill 3 6

lipstick complete 6 3

nail lacquer 2 3

pearl lacquer 3 6

PFIZER, LTD.

Terramycin syrup 60 mils 12 0 18 0

PHARMACEUTICAL SPECIALTIES (MAY & BAKER), LTD.

Intraval sodium 2·5-gm. bottle 5 9

0·5-gm. ampoule with 20-c.c. ampoule water 18 9

for injection of each 6 66 3

Largactil tablets 100 mgm. 50 36 3

STAR ALUMINIUM CO., LTD.

Star house-foil 22-ft. roll 2 11

WARNER, HARVEY & CO., LTD.

Raymond colour rinse† 1 7 3 9

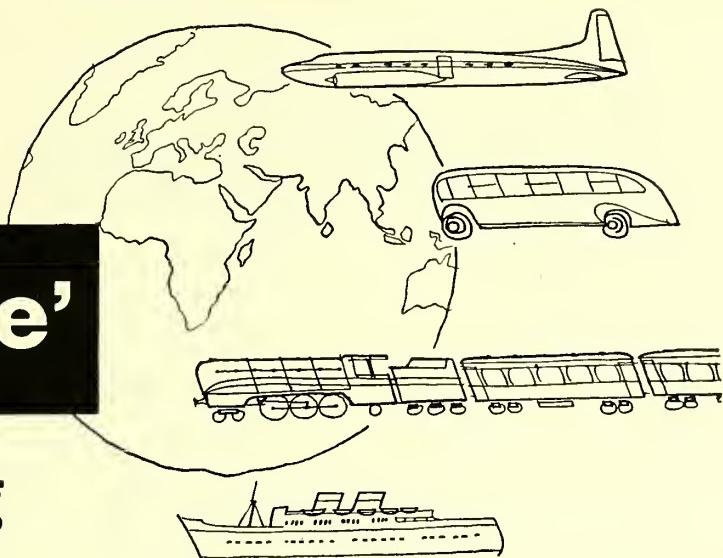
WILLIAM R. WARNER & CO., LTD.

Doz. Covatin tablets\* 50 80 0 12 0

Each dispensing pack 500 53 4

# 'Marzine'

is going  
a long way



**'MARZINE'** is already the choice of experienced travellers. Now national advertising is bringing '**MARZINE**' to the notice of all who contemplate travelling, whether for business or pleasure.

During the peak travel period, '**MARZINE**' advertisements will be appearing in the following newspapers and magazines :

Daily Express	Sunday Express
Daily Telegraph	Readers Digest
Sunday Dispatch	Daily Mail
Sunday Times	Observer
Daily Mirror	Sunday Pictorial
News Chronicle	

Special advertisements for parents are scheduled for :

Parents • Wife & Home • Woman & Home  
Family Doctor • Nursery World

This nation-wide campaign is going to rocket sales of this effective, swift and safe travel sickness preventer.

BUILD UP YOUR STOCKS  
NOW AND BENEFIT  
FROM THE  
BONUS OFFER

Orders for 3 dozen or more  
carry a bonus of one  
free tube with each dozen

Retail price  
2/6d. per tube

# 'Marzine'

TRADE MARK

## stops travel sickness



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

# Eye Appeal...

Is easily applied to  
YOUR PRODUCTS, with  
**DISTINCTIVE LABELS**

*from*

**SUTTLEY & SILVERLOCK**

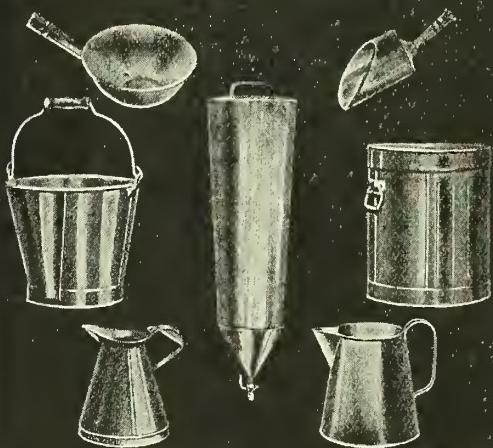
(Branch of Kelly's Directories Ltd.)

**ANDOVER**

Hants

**LABELS • CARTONS • PRINTED STATIONERY**

## MODERN EQUIPMENT



**"WEBSTER'S"**  
STAINLESS STEELWARE

**ISAAC WEBSTER & SONS LTD.**  
ABBEY WORKS  
KIRKSTALL  
LEEDS. 5.

TELEPHONE  
51580  
LEEDS

TELEGRAMS,  
"ISAAC WEBSTER"  
KIRKSTALL

**EXTERNALLY similar—  
INTERNAL—  
radically  
different**



The external appearance of a GLEDHILL Cash Register is not much unlike other makes—keys, price figures and a cash drawer. Inside, however, the operative mechanism is rather revolutionary in design. Many ingenious and patented features, exclusive to Gledhill, contribute to the accuracy, reliability and trouble-free service of this famous machine.

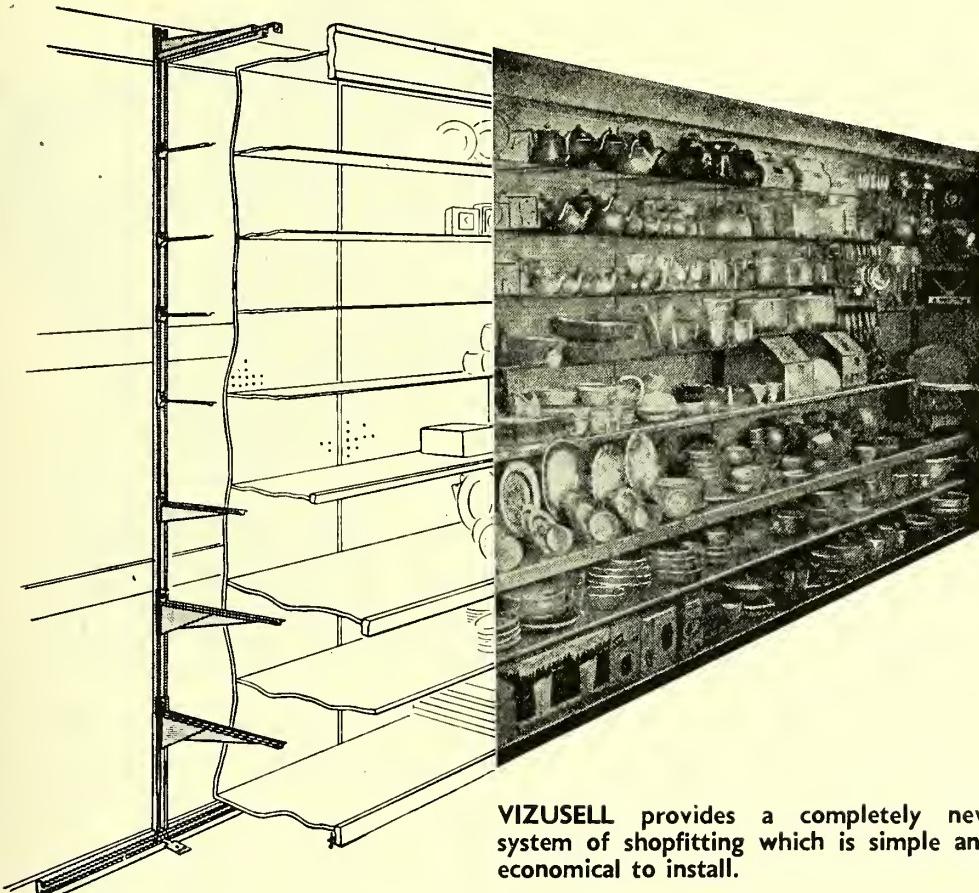
Five distinct types cater for the special needs of various businesses; these are described and illustrated in the Catalogue which will be sent on request.

**Don't guess—get a Gledhill**

*British made for 60 years*  
HIRE PURCHASE TERMS AVAILABLE  
G. H. GLEDHILL & SONS LTD. 28 Trinity Wks., Halifax.

# Vizusell

*shows more-sells  
more—at less cost*



VIZUSELL provides a completely new system of shopfitting which is simple and economical to install.

WHATEVER THE SIZE  
OF YOUR BUSINESS  
—VIZUSELL WILL  
ENLARGE IT.

Write or Telephone  
for full information  
—or contact your  
local shopfitter.

- ★ Low in cost
- ★ Displays more goods
- ★ Smart in appearance
- ★ Suitable for all selling systems
- ★ Fully exploits all available space
- ★ Adaptable to all classes of merchandise
- ★ Quickly rearranged to suit varying sales requirements
- ★ Attachments precision-fixed in any desired position by the twist of a screwdriver

**VERSATILE FITTINGS (W.H.S.) LTD**  
55 FETTER LANE, LONDON, E.C.4. Phone: Fleet Street 1887

---

A SUBSIDIARY OF W. H. SMITH & SON LIMITED

# Now nationally advertised!

in all important  
national newspapers  
and  
sports journals  
with a total  
circulation of  
over

# 51,000,000

telling your customers to **help themselves**  
**to energy** with 'Dextrosol' Glucose Tablets



*for extra business-*

In packets of 16 tablets 10½d.  
and 8 tablets 6d.

Also DEXTROSOL Powdered Glucose in  
1 lb. and ½ lb. packets — 2/9d. and 1/6d.



*extra profit* →

**DISPLAY**

**DEXTROSOL**

**GLUCOSE**

**TABLETS**

**Now!**

unhappiness  
embarrassment  
insecurity

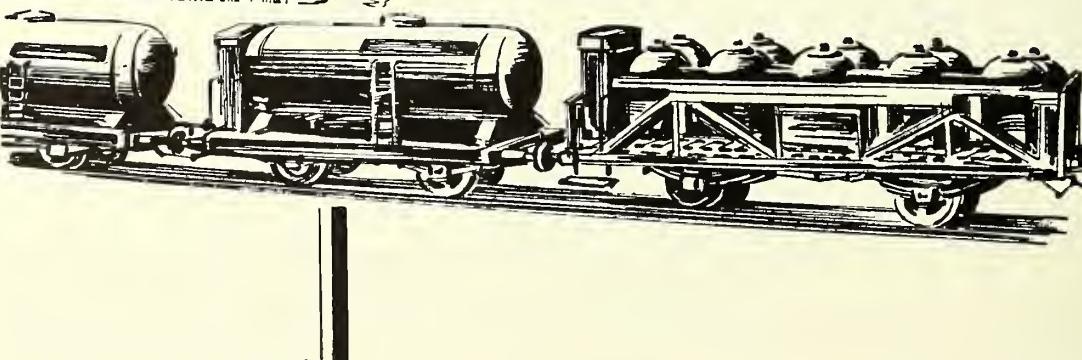
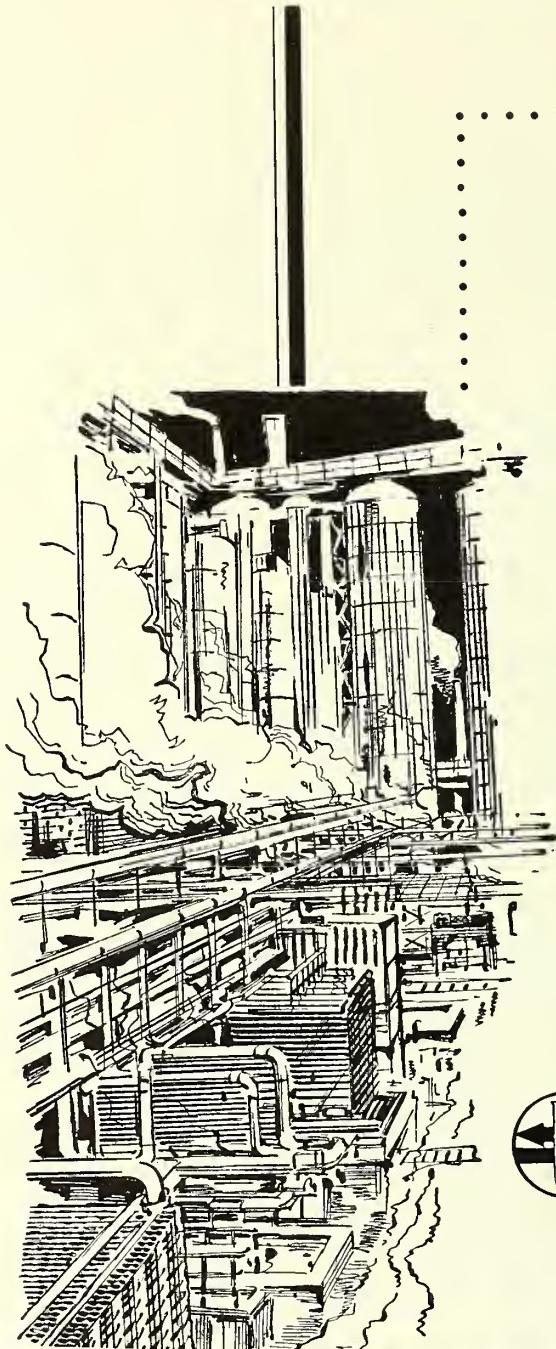
the cruel companions of acne

**Eskamel** for acne



ESKAMEL—sulphur and resorcinol in a grease-free, flesh-tinted base—brings rapid improvement in acne, often in a few days. 'Eskamel' is virtually invisible when applied—and masks unsightly acne lesions.

Menley & James, Limited, Coldharbour Lane, London, S.E.5  
for Smith Kline & French International Co., owner of the regd. trade mark 'Eskamel'



ALL PRODUCTS  
OF  
CZECHOSLOVAK  
ORGANIC AND  
INORGANIC  
CHEMISTRY  
ARE  
SUPPLIED BY



CHEMAPOL  
Panská 9., Praha II.,  
Czechoslovakia



Taking delivery of vegetable drugs or galenicals? Then how wise you will be to make *doubly* sure that you are receiving a Ransom product. Remember, too, that many Ransom drugs are grown on the Company's own farms at St. Ives, Huntingdon — where well-directed research contributes much to Ransom leadership in drugs and galenicals.

*... make sure it's a Ransom label*

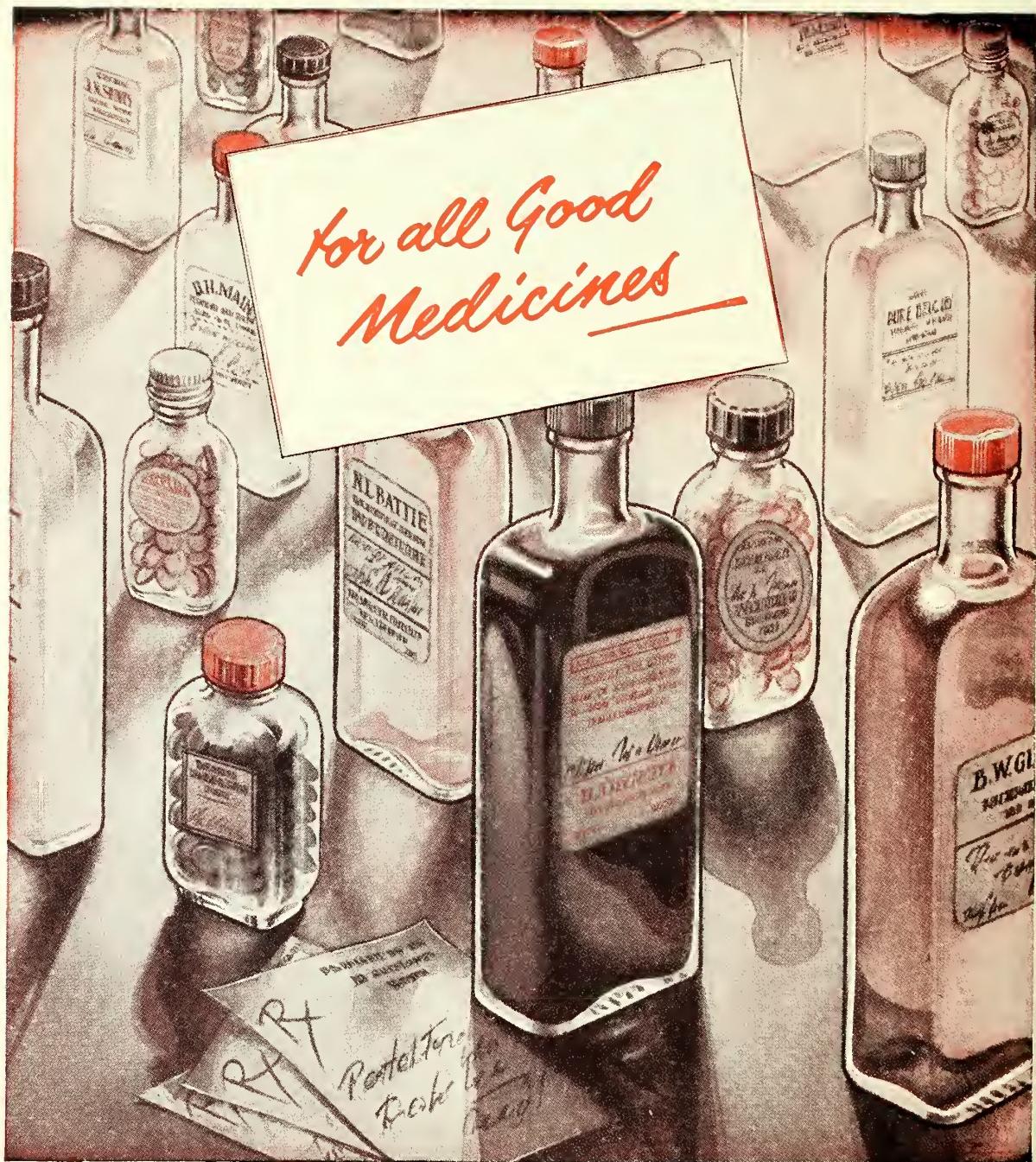
EXTRACTS · TINCTURES · ESSENTIAL OILS · RESINS · CHLOROPHYLL

*Actual Growers of*  
BELLADONNA · HENBANE · FOXGLOVE · PEPPERMINT · LAVENDER

*Established 1846*



**WILLIAM RANSOM & SON LTD.**  
Hitchin    Hertfordshire    England



U SE

G OOD

B OTTLES

**UNITED GLASS BOTTLE MANUFACTURERS LIMITED**

8 LEICESTER STREET, LONDON, W.C.2

Telephone: GERRARD 8611 (18 Lines)

Telegrams: UNGLABOMAN, LESQUARE, LONDON

# DISPLAY AND SELL

## THE SALTER "MAYFAIR"

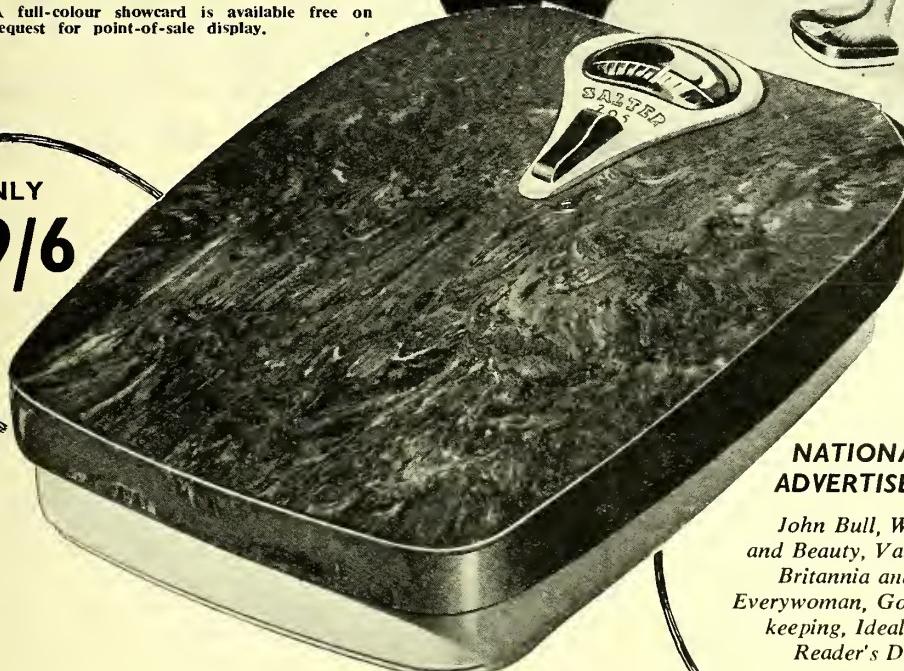
### PERSONAL WEIGHER

Today, with more and more people becoming interested in dieting and slimming for both health and beauty reasons, it pays to stock, display and sell the "Mayfair" personal machine. Check these advantages and you will see why the "Mayfair" is one of today's best sellers.

- Priced at only 79/6d, including tax.
- Rubber-encased platform gives a non-slip weighing surface, with no dust or water trapping crevices. It also prevents damage to skirting boards.
- Streamlined design for easy cleaning.
- Graduated 20 stone x 1 lb.
- Strong, compact and easily portable.
- It is made in the Midlands of England, by Salter—makers of weighing machines for nearly 200 years.
- A full-colour showcard is available free on request for point-of-sale display.



ONLY  
**79/6**

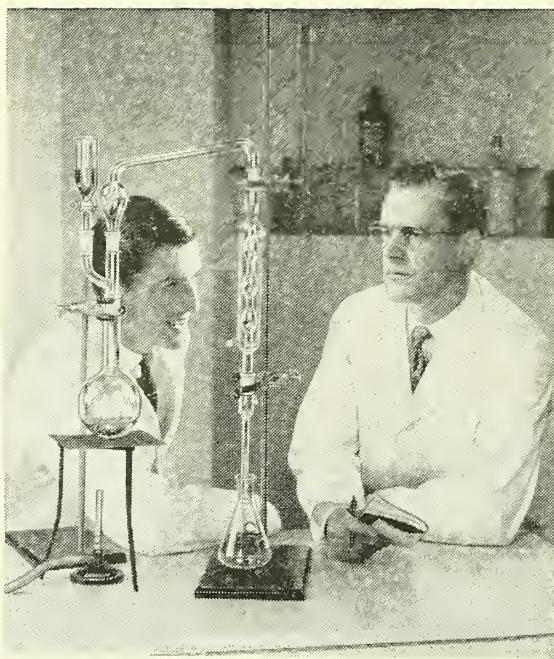


NATIONALLY  
ADVERTISED IN

*John Bull, Woman and Beauty, Vanity Fair, Britannia and Eve, Everywoman, Good Housekeeping, Ideal Home, Reader's Digest.*

★ For those who prefer the full view dial-type machine, the popular "Grosvenor" and "Windsor" models are still in production.

Geo. Salter & Co. Ltd., West Bromwich.



## 'That's a neat bit of Bench Assembly!'

... YES, I agree with you, and the reason it is so neat is because of the interchangeable ground glass joints. It's 'PYREX' of course, and the specially strengthened 'Grip-Seal' joints not only save time in assembling, but also ensure accurate fitting and less likelihood of breakage.

"'Grip-Seal,' what a perfect description!"

"It is indeed, and it's even more than that! Every joint fits perfectly and makes a perfect seal for both gas and moisture. We never have any leakage troubles, and that's a great help in our distillation experiments."

- The advantages of 'PYREX' 'Grip-Seal' Joints are described fully in the new 'PYREX' catalogue, which contains also many examples of complete Assemblies made up with 'Grip-Seal' Joints.
- If you would like a copy of this 124-page reference book, we will gladly send it. Any special Assemblies not listed can be fabricated to your own ideas or needs by technicians well skilled in development work of this nature.



**JAMES A JOBLING & CO LTD**  
Wear Glass Works Sunderland

THE ONLY MAKERS OF 'PYREX' BRAND GLASS IN THE UNITED KINGDOM

## Your own proprietary lines manufactured and packed in AUSTRALIA

Australia's high standard of living makes it a rich market for proprietary lines — chemists' lines, cosmetics, groceries, horticultural and veterinary products etc. To avoid difficult import restrictions, and freight and insurance costs, many manufacturers are now having their goods prepared and packed in Australia.

Since 1888  
Simpson's Manufacturing Pty. Ltd., of Melbourne, Victoria

and Sydney, New South Wales, has been producing articles of this kind since 1888. They now list over a thousand clients from all parts of the world. Clients' specifications are faithfully followed and utter secrecy is observed. Distribution, marketing and advertising facilities in all states are available if required.

Further details and quotations will be gladly given without obligation.

**SIMPSONS**  
SINCE 1888

Barkly Avenue, Burnley, Melbourne, E.I., Victoria, Australia.

**'SURCO'**

**SURGICAL ELASTIC  
HOSIERY**

SEAMED. SEAMLESS.  
TWO-WAY STRETCH.  
ELASTIC NET.

**SURGICAL BELTS  
TRUSSES AND SUNDRIES**

Over 60 years' service of everything surgical  
**SURGICAL HOSIERY CO., LTD.**  
Russell Street, NOTTINGHAM  
Telephone No. 75903      Telegrams: Surgical Note



**Synthetic  
Fine and  
Pharmaceutical  
Chemicals**

A Selection from our Range

ACETANILIDE  
ACETOPHENONE  
AMYLCINNAMIC ALDEHYDE  
ANETHOLE  
ANISALDEHYDE  
AZO BENZENE  
BENZALDEHYDE  
BENZOIC ACID  
BENZOYL CHLORIDE  
BENZYL ACETATE  
BENZYL ALCOHOL

BENZYL BENZOATE  
BENZYL CHLORIDE  
BENZYLIDENE ACETONE  
BROMSTYROL  
CINNAMIC ALDEHYDE  
CITRAL  
CITRONELLOL  
COUMARIN  
DIPHENYL METHANE  
EUCALYPTOL  
EUGENOL

GERANIOL  
GUAIACOL  
HYDROXYBENZOIC ESTERS  
HYDROXYCITRONELLAL  
IONONE  
LINALYL ACETATE  
METHOXY ACETOPHENONE  
PHENYLACETAMIDE  
PHENYLACETIC ACID  
ROSONE  
SODIUM BENZOATE

**W. J. BUSH & CO. LTD**

LONDON, E.8 · ENGLAND

Telephone No.: Clissold 1234

Factories: Hackney, Mitcham, Widnes, Tottenham, Witham  
Branches: New York, Montreal, Johannesburg, Melbourne, Auckland.

Pack it in a

**BETTS collapsible tube**

For Rigid Containers  
In Aluminium,  
Collapsible Tubes in  
Tin coated lead,  
Aluminium and other  
Alloys, and Capsules  
In Tin/Lead,  
Aluminium and  
Pleated Aluminium.



Look at what the BETTS service offers:  
technical advice on your packing problems;  
designing, drawing and printing; storage  
facilities and part delivery as necessary.  
Special storage for delicate or hygienic tubes,  
advice on filling machinery; first class  
materials and superb workmanship—a  
service backed by 150 years of experience.  
All types of collapsible tubes and containers  
to special specifications—write for details.

**BETTS**  
AND COMPANY LIMITED

HOLLOWAY MILLS, ELTHORNE RD., LONDON N.19

Telephone: ARCHway 4361

LONDON · COLCHESTER · BORDEAUX · PARIS · MARSEILLES

# DROXALIN

*A convenient form  
in which to administer  
Aluminium Hydroxide  
treatment*

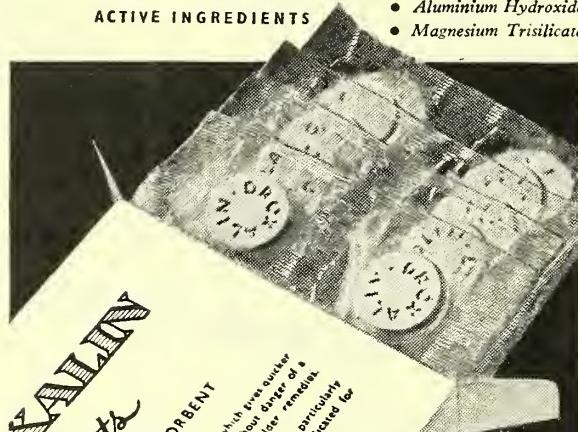
• **DROXALIN** enables Aluminium Hydroxide to be administered in an exceptionally palatable form.

• **DROXALIN** tablets are smooth, pleasant-tasting and break down easily in the mouth. They are, therefore, completely acceptable to the gastric patient. The tablets are individually and hygienically sealed in sets of six.

Professional samples available on request

#### ACTIVE INGREDIENTS

- Aluminium Hydroxide
- Magnesium Trisilicate



**DROXALIN**  
*Tablets*  
ACID ADSORBENT  
Prescribed on Form E.C.10.

Manufactured by SCOTT & TURNER LIMITED  
ANDREWS HOUSE, NEWCASTLE-ON-TYNE

**You must sell this  
6<sup>d</sup> sachet!**

The big demand for Shandruff, the enemy of dandruff, is growing every week—it is a lovely shampoo which does what is claimed for it and is the only 6d. sachet of its type now on the market. Don't leave it any longer.

**STOCK**  
**Shandruff**  
THE ENEMY OF DANDRUFF

These neat little counter display cards will aid your sales.

Price 4/- per gross sachets, plus P.T. AVAILABLE ON SALE OR RETURN  
From your usual wholesaler or  
**VINES BIOCRIN LIMITED**  
222-224, HARROW ROAD, LONDON, W.2  
Telephone: CUNningham 1172-3

**Still the most  
reliable remedy  
for Rheumatism**

For nearly 40 years Curicones has been kept abreast of medical research. With its present formula, it is certainly the most reliable general remedy you can recommend to Rheumatic sufferers.

And its advertising is never allowed to get in a rut. Now that it is being stepped up in volume, watch Curicones sales begin to grow. Never let yourself run out of stock of the 5½, 13/8 or 26½ sizes.

And make sure, also, that your stocks include Curicones Tablets. These tablets are proving increasingly popular and our free sampling campaign is producing quite a demand in those areas where we are carrying it out.

**CURICONES**

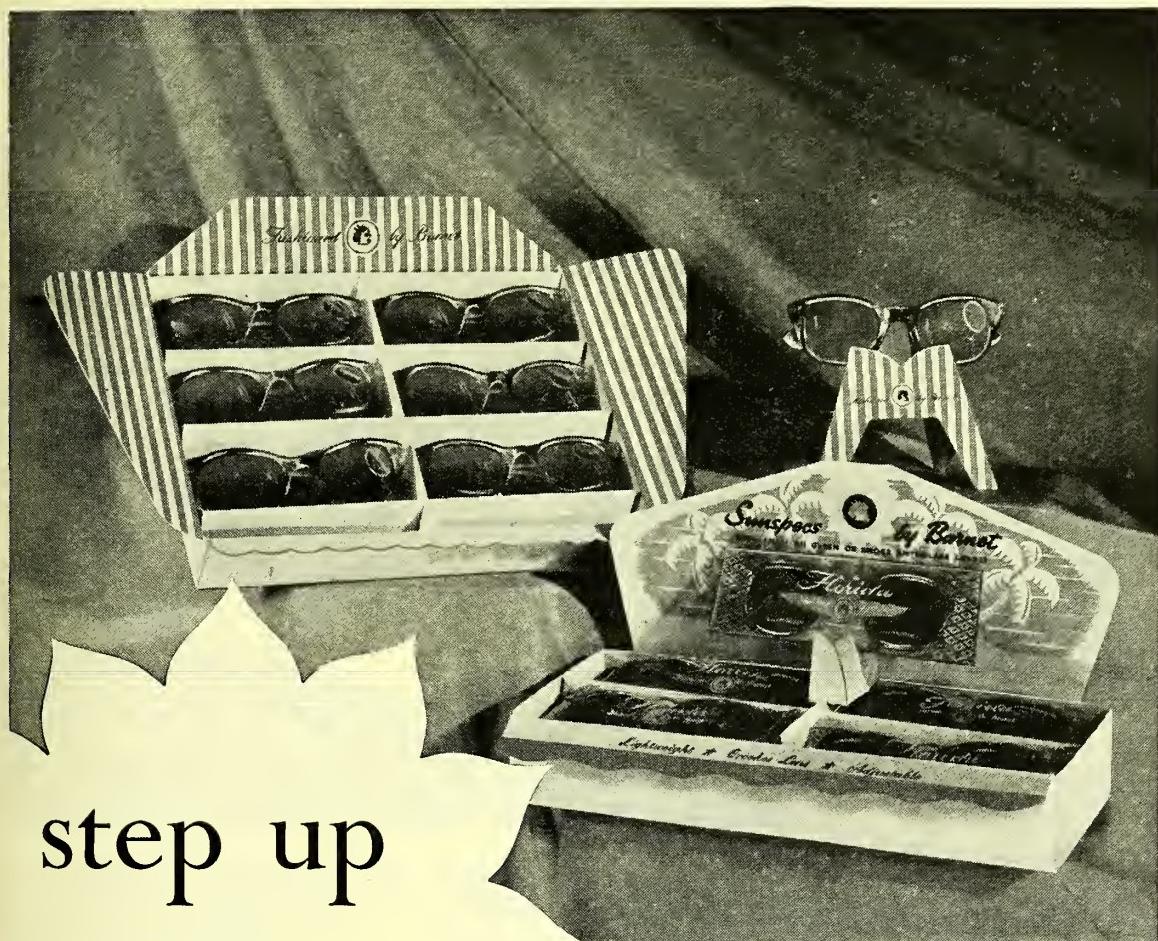


AND

P.A.T.A.

Your wholesaler can supply you on the same terms as capsules.

**STEPHEN MATTHEWS & CO., LTD.,**  
**19/21 Farringdon Street, London, E.C.4**



# step up your sun sales

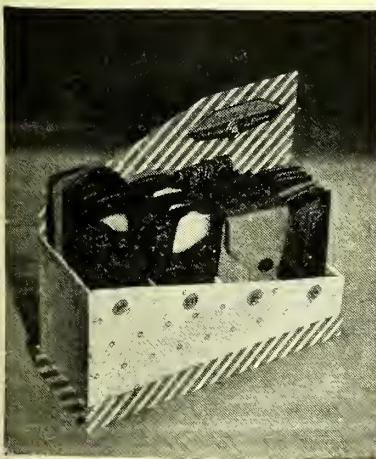
New styles, new types, new finishes . . . the 1956 Barnet range of sunglasses will keep your sun sales climbing on every bright day of summer.

Fashion lines, smart metal half-frames, hingeless nylon and many popular types . . . all are modestly priced yet well displayed in neat dispensers for quick sales.

Ask your wholesaler to show you styles and prices.



## with **Barnet** sunglasses



See this and other new Barnet cabinets of combs in cases, vanity and manicure sets including holiday gift lines which can be supplied gold blocked for souvenirs.

*Manufactured by (wholesale only) :*

**E. R. HOLLOWAY LTD. BESSEMER RD., WELWYN GARDEN CITY, HERTS.**  
Telephone : WELWYN GARDEN 4444

## Still the most popular Corn remover



Phone: BROadwell, 1355

# DISPLAY NOW

Carnation Corn Caps are well known and sell readily. Over the years they have become very firmly established and more and more widely known through recommendation and national advertising. Demand increases at this time of the year, and a regular prominent display from now until the winter will pay you well. Carnation Corn Caps have been a C.F. line since its inception.

**RETAIL 1/1½d PACKET**  
(INCLUDING TAX)

**TRADE 7/6 DOZEN**  
(PLUS TAX)

CARRIAGE PAID ORDERS  
£5 AND OVER  
(ALL PRODUCTS)

A  
PRODUCT OF  
*Cuxson Gerrard & Co. Ltd.*

OLDBURY • BIRMINGHAM



THERE IS NO  
SUBSTITUTE FOR

## SPRAYING LIGHT LACQUER

IN THE NEW  
SUPER SPRAY

26/- doz.  
retail 3/9 each



This really fast selling NATIONALLY ADVERTISED product shows over 75% profit on cost. Packed in this new sensational spray, cartoned and displayed, 20% more content, with an exceptional hard wearing flexible bottle.

### IMPORTANT LINES IN THE PRIDE RANGE

Pride Lacquer Refills, in smart plastic sachet. Retails 2/6 each.

Pride Perfumery Essence. Retails 1/3 each.

Pride Spraying Brilliantine. Retails 3/9 each.

PRIDE BRILLIANT GLITTERS, in six attractive colours. Retails 2/3 each.

PRIDE COLOUR STREAK, in six colours. Retails 3/9 each.

PRIDE EGG AND LEMON Shampoo in 3 shampoo tubes. Retails 9d. each.

In 24 shampoo Plastic Injector Dispenser. Retails 3/9 each.

From your usual wholesaler or direct

B. N. FURMAN (Productions) LTD., LONDON, N.4

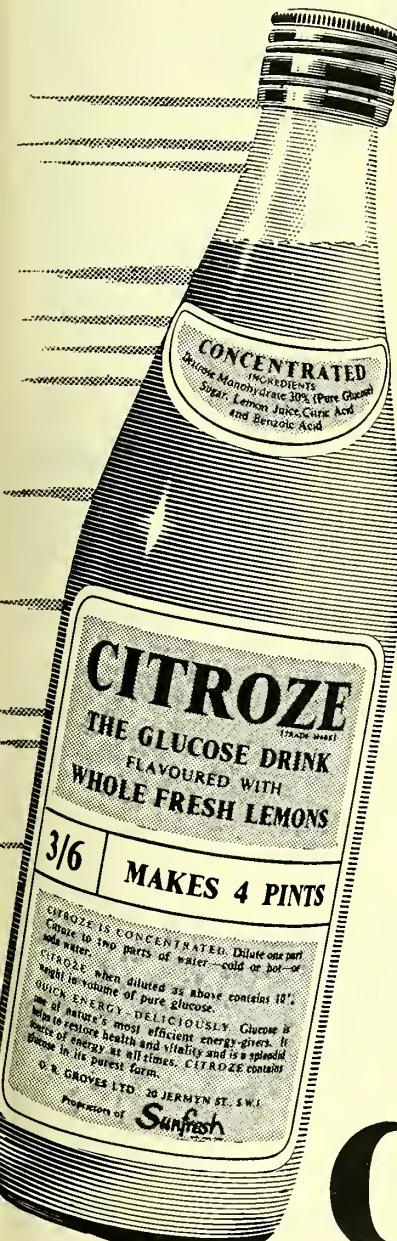
For an unusually efficient service in the supply of all Patents, Ethical Proprietaries, Drugs, Galenicals and sundries.

We deliver regularly to pharmacists in South Yorkshire, Nottinghamshire and Derbyshire.

**SMITH & HILL**  
(CHEMISTS) LTD.  
SIDNEY ST., SHEFFIELD, 1.

Telephone: 28383 (5 lines)

# a NEW glucose health drink!



- **REPLACES LOST ENERGY DELICIOUSLY**  
Citroze is pure, triple-strength glucose flavoured with whole, fresh lemons. It brings real *up-and-at'em* energy in its most delicious form.
- **IS MORE ECONOMICAL**  
Citroze contains 30% weight in volume of pure glucose. Diluted, two parts of water to one of Citroze, a bottle makes four whole-strength pints!
- **PLEASES MORE PEOPLE**  
Add water for a long, cool drink. Add soda-water for a sparkling drink. *Add hot water and you have a steaming, lemon and glucose toddy*—just what mother ordered! No other health drink can please so many tastes.



*Pays  
to stock up  
NOW*

## *Brings bigger profits*

You make 8/6 on purchases of one dozen  
Even more with quantity buying  
Get your discounts by combining orders  
for SUNFRESH and CITROZE.

This is the season of sniff and snuffle. People need *up-and-at'em* energy now. So stock up now. Citroze moves off the shelves faster than any other health drink you've ever known. Available from Messrs. Sangers Ltd., and associated companies, and other leading wholesale chemists; or write/telephone MESSRS. O. R. GROVES LIMITED, 20 Jermyn Street, London, S.W.1—REGent 7986.

# CITROZE

TRADE MARK

for up-and-at'em energy

MADE BY THE Sunfresh PEOPLE



**BEATSON CLARK**

## BOTTLES of DISTINCTION

Is your requirement a bottle in which to pack your own product?

If so, may we introduce two bottles from our range? Our Plastic Capped Beatson Medical on the left is a reasonably priced, serviceable bottle of real value—the best in its class.

On the right, our Plastic Capped Bow Panel is a bold, upstanding bottle which will show your products to perfection.



"The Sign of a

Good Bottle"

**BEATSON, CLARK & CO., LTD.**

GLASS BOTTLE MANUFACTURERS

ROTHERHAM      Established 1751      YORKSHIRE

B.C.70

**PEG BOARD BRACKETS**  
for YOUR business

We have all the correct peg board brackets for displaying the goods you sell. There are many kinds to choose from. Our brackets are supplied in bronze and silver zinc finishes, from 15/- per doz.

**PEG BOARDS**  
First quality. Stove enamelled in black, white, cream, green, burgundy. 8ft. x 4ft. from 56/-.

In natural colour, undercoated from 20/-. Fluorescent letters for peg boards, from 48/- per doz.

**CHURCH & CO.  
(FITTINGS) LTD.**  
36 MINSTER STREET, READING  
Telephone: READING 2035/6  
LEEDS—62 Albion Street, Leeds 1  
Tel: Leeds 30173

Agent for Northern Scotland—  
C. T. A. Winram, 121 Crown  
Street, Aberdeen.

1753

*The Best costs no more!*

when ordering ZINC OXIDE  
insist on —

**FELLING**  
**ZINC OXIDE B.P.**

**AND GET THE**

**Highest Standard of Purity**

WHOLESAVERS ONLY SUPPLIED  
ENGLISH MANUFACTURE  
USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

We supply most Wholesalers, but should you have difficulty please contact

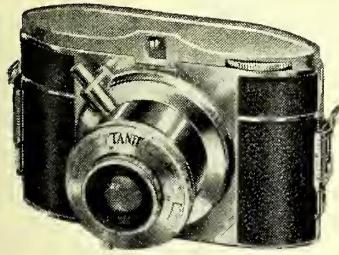
**H. LATTIMER**

22 UPPER GROUND,  
BLACKFRIARS, LONDON SE1

Telephone: WATERLOO 5800

Manufactured by FELLING ZINC OXIDE CO., LTD.

# ferrania film



## **ferrania TANIT CAMERA**

The Ferrania TANIT camera is designed to halve the cost of film by taking 16 instead of 8 pictures on one roll.

It is of an elegant and modern design, strongly resembling an expensive miniature camera, but offered at a remarkably low price. The body is entirely of metal, being pressure die-cast of aluminium alloy, covered in morocco leather.

Picture size  $3 \times 4$  cm. (16 pictures  $1\frac{1}{2}$  in. x  $1\frac{1}{8}$  in. on the standard 127 film). Camera size:  $4\frac{1}{2}$  in. x 3 in. x  $2\frac{3}{4}$  in. Weight: 9 ounces. Lens: Ferrania Primar f/9 with focussing scale. Shutter: Ferrania Silent B for instantaneous and bulb exposures. Built-in synchronised flash contacts. Viewfinder: double lens optical type. Supplied complete with 20-page instruction booklet, and carrying strap.

**ONLY £3·12·6**

Ever-Ready case 17/6

IBIS 27 ... ...	£3·18·6
IBIS 66 ... ...	£5·3·6
ELIOFLEX ... ...	£12·10·0



**Note the prices—  
you know the quality!**

### ROLL FILMS

No.	Exposures	Size in inches	PRICES	
			Ultracromatica	Pancro 32
120	8	$2\frac{1}{2} \times 3\frac{1}{2}$	2 8½	3 1
620	8	$2\frac{1}{2} \times 3\frac{1}{2}$	2 8½	3 1
127	8	$1\frac{1}{8} \times 2\frac{1}{2}$	2 4	2 8½
116	8	$2\frac{1}{2} \times 4\frac{1}{2}$	3 6	3 11
616	8	$2\frac{1}{2} \times 4\frac{1}{2}$	3 6	3 11
129	6	$2 \times 3$	2 8½	—
18	6	$3\frac{1}{2} \times 4\frac{1}{2}$	5 4	—
22	6	$3\frac{1}{2} \times 5\frac{1}{2}$	6 4	—
30	6	$2\frac{7}{8} \times 4\frac{1}{2}$	5 4	—

### 35 mm. FILMS

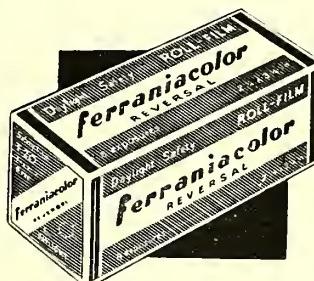
P.3/28 FINE GRAIN PAN and PANCRO 32/S2				PRICES
CASSETTE	36 Exposures	...	...	£ s. d.
REFILL	36 Exposures	...	...	4 8
REFILLS	3 x 36 Exposures	...	...	12 8
REFILLS	10 x 36 Exposures	...	...	1 18 9

### FERRANIACOLOR

35 mm. Cassettes (20 exposures) 16/-  
35 mm. refills (20 exposures) ... 12/6  
Nos. 120 and 620 roll films ... 12/10  
No. 127 roll films ... ... 12/6

Johnson's Processing Kit:—

Part 1 (Developers) ... ...	5/6
Part 2 (Bleach, Fixer, etc.) ...	5/6



**NEVILLE BROWN  
& CO. LTD.** 77 NEWMAN STREET, LONDON, W.1  
Telephone: LANGham 7161 (10 lines)

# PHENOXYETOL

Regd. Trade Mark

B.P.C.

The original antipyocyanine compound with its developing use as a special preservative and antiseptic for penicillin creams, anti-burn ointments and pharmaceutical-medicinal preparations.

*We shall be happy to send you full technical details on request.*

*Sole Distributors for the United Kingdom :*

P. SAMUELSON & CO., ROMAN WALL HOUSE, 1 CRUTCHED FRIARS, E.C.3. Telephone: ROYAL 2117/8

NIPA LABORATORIES LTD  
TREFOREST INDUSTRIAL ESTATE  
Nr. CARDIFF TEL: TREFOREST 2128/9



PREPARED WHEAT GERM  
A RICH NATURAL SOURCE OF  
VITAMINS B and E  
TWO SIZES 1/9 or 3/-

Trade 16/- doz. or 27/- doz. FREE NON-RETURNABLE CARTONS

From Principal Wholesalers or from the Manufacturers

CARR'S CEREAL PRODUCTS LTD.  
CARLISLE

GUM TRAGACANTH

GUM KARAYA  
WHOLE AND POWDERED  
DIRECT IMPORTERS

M. HAMBURGER & SONS  
Plantation House  
MINCING LANE • LONDON E.C.3

Phone:  
MANSION  
HOUSE  
4405  
(3lines)

## L-ASPARARGIN PURE-NATURAL

COLCHICIN, B.P. 1953,  
U.S.P. XIII,

MALE FERN EXTRACT,  
B.P. 1953

Dr. INVERNİ & DELLA BEFFA, S.p.A. 99, VIA RIPAMONTI, MILAN. (ITALY)

TELEGRAMS: INVERBEFF-MILAN

# SMALLER SIZE TRESS



Heavy advertising in  
**'WOMAN'**  
**'WOMAN'S OWN'**  
**'DAILY MIRROR'** etc.  
 will reach  
**15,000,000 WOMEN**  
 —widening the market for this  
 fast-selling wave-set

TRESS, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

#### TRADE TERMS

##### SMALL SIZE

Price 8/10d  
 per dozen bottles  
 plus 90% tax  
 selling at 1/9d per bottle.

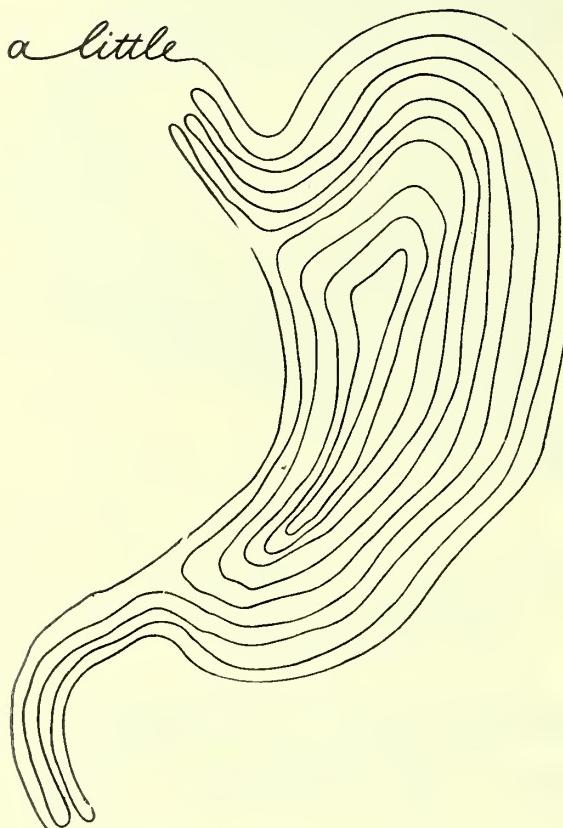
##### LARGE SIZE

Price 14/5d  
 per dozen bottles  
 plus 90% tax  
 selling at 2/10½d per bottle.

GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON, W.I. Hyde Park 1671

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals, Ltd., Santry, Dublin.

In the treatment of dyspeptic disorders



## Bislumina GOES A LONG WAY

Bislumina is packed in the freshly precipitated state ensuring that the fine particles present the largest possible surface area for the sequestration of pepsin, and adhere firmly to the gastric mucosa. Added to these properties is an effective antacid action. Bislumina provides comprehensive therapy and because of the method of preparation high efficiency is attained with low dosage.

Bislumina is a registered trade mark



Detailed literature on request from  
Sole Distributors in United Kingdom

C. J. HEWLETT & SON LTD.  
King George's Avenue, Watford, Herts.

Manufactured by

MINING & CHEMICAL PRODUCTS LIMITED, LONDON

*In accordance with world patents pending*

Because they  
can't afford  
to be ill...

thousands of people will be buying Hanovia prescription lamps this Winter. Hanovia lamps are widely used in hospitals and recommended by doctors. They are sold free of purchase tax on medical certificate and are made by the world's leading specialists in ultra-violet equipment.



- ★ NATIONAL PRESS ADVERTISING
- ★ WEEKLY RADIO LUXEMBOURG PROGRAMMES
- ★ GOOD DEALER SERVICE *including sales aids and window displays.*
- ★ GENEROUS DEALER DISCOUNTS

Order your stocks **NOW**

Write to:

**Hanovia** SLOUGH · BUCKS

Specialists in ultra-violet ray equipment for all applications.

**Be wise—sell**

*Wisdom,*



**THE TOOTHBRUSH  
THAT MOVES  
FASTER  
THAN ANY  
OTHER BRAND**

*You'll be busy with*

# BRONTAN

REGD. TRADE MARK

## SUN-TAN CREAM

THIS SUMMER



NON-GREASY BRONTAN tans fast and sells fast, and each tube will show YOU a healthy profit. Now's the time to order for your share of this brisk business which will be continual throughout the summer.

Trade Price 10/3 per dozen      Retail 2/1½ per tube  
 (P. Tax 9/2½)      (inc. Tax)

*Bonus for display, 13 to the dozen on parcels of not less than 3 dozen*

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE RD., S.E.2

**PRICES REDUCED  
FOR HARDWOOD APPLICATORS**

100 boxes and over 3/- per box, 50 to 99 boxes 3/3 per box,  
under 50 boxes 4/- per box.  
Standard pack, 6 gross to a box.

**IMMEDIATE DELIVERY** FROM LONDON STOCKS

**TONGUE DEPRESSORS**  
LOWEST PRICES SINCE THE WAR  
Size 6in. x 2in. x 2mm. thick. Danishbeach, perfectly finished  
Boxed 100's. Minimum order 10,000.

Wholesale Houses only supplied.

**ASHWOOD TIMBER INDUSTRIES LTD.**  
Specialists in Veneer and Plywood Products for all Trades.  
**IBEX HOUSE, MINORIES, LONDON, E.C.3**  
Tel.: ROYal 2494      Cables: ASHTIM, LONDON

THE WORLD'S GREATEST BOOKSHOP

**FOYLES**  
\*\* FOR BOOKS \*\*

NEW, SECONDHAND AND RARE

**BOOKS**

Foyles have Departments for Gramophone Records, Stationery, Handicraft Tools and Materials, Music Magazine Subscriptions, Foreign Stamps.

119-125 CHARING CROSS ROAD, LONDON, W.C.2  
Gerrard 5660 (23 lines) ★ Open 9-6 (Thur. 9-7)  
Two minutes from Tottenham Court Road Station

## GALIC ACID PYROGALIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX



During the thirsty days ahead, every other family in your neighbourhood will see this ROBINSON'S advertising in the RADIO TIMES. Some of them won't give it a second thought; some of them will want something stronger. But hundreds and thousands of them will think of Old Hethers next time they're feeling dry. If you thirst for more business, always keep a stock of Robinson's Barley Water, both Lemon and Orange. Put Robinson's on your counter and put money in your pocket—with the help of the RADIO TIMES.

**one of the products that MOVE with the  
RADIO TIMES**

CERTIFIED WEEKLY NET SALES JAN-DEC. 1955—8,800,715

All enquiries for advertisement space to:

TOM HENN, HEAD OF ADVERTISEMENT DEPT., BBC PUBLICATIONS, 35, MARYLEBONE HIGH STREET, LONDON, W.1.  
CROFT

# NUCTA CREAM SHAMPOO



MANUFACTURED BY

**STEWART, GOODALL & DUNLOP LTD.**  
121A PRINCES STREET — EDINBURGH

has proved  
an attractive  
selling line

Delightfully perfumed and with exceptional lathering and cleansing power.  
Available also with Egg and Lemon.

**IN 2 OZ. SIZE FOR HOME USE**

Selling at **2/7½** (17/6 per doz. plus tax)

OBtainable from your usual wholesaler

Your  
"SILENT"  
SALESMAN  
in  
NORTHERN  
IRELAND

An integral part  
of the  
United Kingdom

Read in the homes of every  
hamlet, village, town and city  
throughout the whole of this  
important Industrial and  
commercial territory.

**Belfast Telegraph**

HEAD OFFICE, ROYAL AVENUE, BELFAST. LONDON OFFICE, 112 FLEET STREET, E.C.4

THE NEWSPAPER WITH THE LARGEST CIRCULATION IN NORTHERN IRELAND

The Hay fever season is upon us.

Win more sales  
and your customers' gratitude  
by recommending

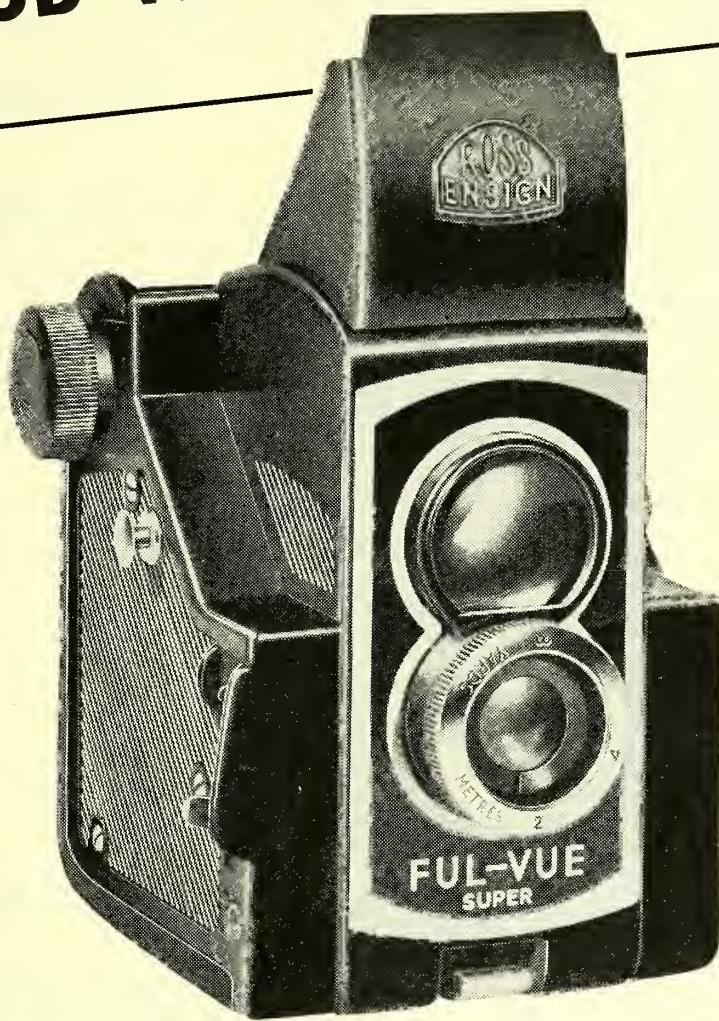
**BESORBON**  
REGD. TRADE MARK  
**MEDICINAL SNUFF**  
the proved remedy

Your wholesaler can supply you  
promptly. Orders of one dozen  
come in attractive counter  
display box for

**MORE SALES — MORE PROFIT**

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C.3

**GOOD VALUE and LOOKS IT!**



Every busy Chemist is interested in a Camera that will sell itself. The popular Ful-Vue demands no expert knowledge to sell, involves no large capital outlay and ensures the greatest possible turnover in every district.

Probably more Ful-Vues reach the public over the Chemist's counter than through any other retail outlet, proving that in price and popular appeal the Ful-Vue is absolutely right for the snapshot market. The Ful-Vue is a Camera that sells on its looks as well as its performance, it is good value and looks it.

**RETAIL PRICE 62/-**

**EVER-READY CASE 13/2**

**FLASH UNIT 25/-**



ROSS ENSIGN LTD., CLAPHAM COMMON NORTH SIDE, S.W.4

Thoughts of  
travel make  
people think  
of KWELLS

This advertisement in the big, national newspapers is a timely reminder of... Kwells. Although vast numbers will not need reminding. They know from past experience that Kwells are effective—and safe.

**KWELLS**  
PREVENT  
TRAVEL SICKNESS

for the whole family

How nice to know, before the start, that everyone will enjoy the journey—even little Janet, who usually "reacts" to the slightest wobble.

The Kwells-protected family faces any journey confidently, for Kwells are the most effective preventers of travel sickness. Official tests

Sell them  
what  
they want

at the price  
they want  
to pay

KWELLS

1/-

From chemists only

E. Griffiths Hughes Ltd., P.O. Box 407, Manchester

# PANAR GRANULES

(PANCREATIN)

Keratin Coated or  
Keratin Chocolate Coated

FOR THE TREATMENT OF  
FIBROCYSTIC DISEASE OF  
THE PANCREAS

Bottles of 4, 8 and 16 oz.

Write for Literature to:

THE ARMOUR LABORATORIES  
(ARMOUR & COMPANY LTD.)  
HAMPDEN PARK, EASTBOURNE, SUSSEX

Telephone: Hampden Park 740  
Telegrams: Armolab, Eastbourne



HOME TRADE      JKL      EXPORT

# WILD CHERRY BARK SENEGA HYDRASTIS

and all other Botanicals, Gums,  
Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.  
24 OLD BROAD STREET, E.C.2

Telephone: LONDON Wall 6585 (4 lines)  
Telegrams: "Ergentine, Stock, London"

NEW YORK      HAMBURG

*Yes -- →*

## IT REALLY WILL BE ROSES ALL THE WAY

Here's the first huge advertisement in the spanking new *Rose's Lime Juice Campaign!* The biggest-ever publicity campaign for any lime juice—large spaces in the national press—display—posters . . . and a continual chain of small advertisements to pick up constant reader interest—to promote day-to-day sales.

**IT'S BEEN ROSES ALL THE WAY**

"This advertisement certainly opened my eyes" says MRS. ROY BOULTON  
in an interview with JILL SCL

**RECENTLY I called on a fashion model who has succeeded in reaching the top in one of the most orous of careers.**

In private life, wife of director-principal Roy Boulting (one of the celebrated Progress) is such a hit, Mrs. Boulting, her three lovely children, superbly she's look svelte in a minor's overalls. Within five minutes of meeting, I settled in her Chelsea flat with a drink in my hand, feeling as though I'd known her for years. "Gin-and-lime for you," she said. "It's Rose's Lime Juice. I wouldn't use any other—now." Why? "I wanted to know." "I mean, since I read that advertisement of Rose's, I'd never realized just how good Rose's Lime Juice is in so many ways. But it's true, you know, we've proved it."

**\* Rose's helps to keep me fit**

Mrs. Boulting went on to say that she couldn't possibly cope with running a house, the children, her job, unless she were perfectly fit—and that Rose's helps enormously. She says it keeps her complexion fresh and clear and helps to purify the bloodstream. It's true that Mrs. Boulting's skin has the bloom of a thoroughly healthy, happy woman, and she never has to worry about the fattening effect of alcohol, either—Rose's helps to counteract it.

**READ THIS ROSE'S QUIZ**

Q. Why did the British Navy serve lime juice to the sailors?  
A. Because it helped stop the men from getting scurvy.  
Q. Why is lime juice good for your complexion?  
A. It helps to keep it clear and fresh.  
Q. Why is lime juice good for your blood?  
A. It helps to clear it and keep it flowing.  
Q. Should one drink lime juice every day?  
A. Yes, always have a bottle of Rose's in the house—drink some every day. The children especially help to keep hours and teeth.  
Q. Does Rose's help you lose weight?  
A. Yes, lime juice is very low in calories, and remember—calories is very important.  
Q. Does Rose's get rid of alcohol?  
A. Yes! Alcohol normally takes some considerable time to clear from your bloodstream. If you drink Rose's it hastens the process. And it hangs around longer.

**"The children insist on it"**

"There's another reason too," she continued, "and I always keep the sugarward well stocked with Rose's. I have no peace from those young love-it-their drink by the gallon if I let them. As it is they insist on it regularly every day. It helps build their bones and teeth." "Anyways, quite apart from anything else, we like the taste of Rose's Lime Juice. Always keep a jug of it by my bed—it's so deliciously refreshing to wake up to... Here, let me refill your glass." "It's good, isn't it?" Mrs. Boulting smiled in answer to our somewhat awestruck appearance. "Simplest cocktail in the world, a gin-and-lime juice at 2-3 gin—and the best in the world, too—to bring out the lime flavor."

**DRINK MORE Rose's LIME JUICE**

For your complexion—for your bloodstream—and just because it is the world's freshest drink

## THE ADVERTISING TELLS YOUR CUSTOMERS

### "DRINK MORE ROSE'S LIME JUICE"

HEALTHY AS THE FRESH FRUIT ITSELF FOR YOUR BLOODSTREAM AND YOUR COMPLEXION

- \* DRINK ROSE'S WITH GIN OR RUM
- \* DRINK ROSE'S NEAT, WITH WATER, WITH SODA
- \* DRINK ROSE'S EVERY DAY

## ADVERTISED EVERY WEEK!

Stock up with ROSE'S Lime Juice, the pure fruit juice with the delicious 'tangy' taste. Your customers will demand it, because

**ROSE'S LIME JUICE is the best in the world**



Quite a challenging hypothesis, Sir, but  
children would wish the point to be illustrated dramatically.

Especially since the administration of the new TERRAMYCIN syrup is quite the most convenient, safe and palatable way to combat a wide range of bacterial, viral, and rickettsial infections. Hydrolysing quickly in the gastro-intestinal tract TERRAMYCIN Syrup readily yields the pure antibiotic in powerfully effective concentrations. Isn't this the way you—*mutatis mutandis*—would prefer to take your own medicine? Of course it is. And that is why doctors will have no difficulty in persuading paediatric patients that TERRAMYCIN Syrup is "very good medicine indeed". Even the most recalcitrant youngster will be won over by its pleasing cherry flavour.

*Supplied in bottles of 60 ml. Each large teaspoonful (5 ml.) of which contains 125 mg. of oxytetracycline activity.*



**WORLD'S LARGEST PRODUCER OF ANTIBIOTICS**

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\*Trade Mark of Chas. Pfizer & Co. Inc.

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**CHEMIST AND DRUGGIST**  
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**CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL**  
**BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF**  
 Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

**PREMISES TO LET**

17/6 for 36 words (min.) then 4d. per word  
 Box 2/-

LIVERPOOL LINKSIDE ESTATE, Hunts Cross Avenue, Bottom Manor Road, Woolton. Newly built lock-up shop, flat above if required, on new housing estate. Commanding position, suitable chemist. Builders, Peirce Williams, 90 Selborne St., Liverpool, Royal 8681. C 5128

**BUSINESSES WANTED**

17/6 for 36 words (min.) then 4d. per word  
 Box 2/-

PUBLIC TRUST COMPANY interested in the purchase of manufacturing and/or distributing pharmaceutical business earning £10,000 per annum. Alfred Neale & Co., Solicitors, 118 Cheapside, London, E.C.2. C 3697

**APPOINTMENTS**

18/- per half inch (min.) and pro rata.  
 Box 2/-

BARNET GENERAL HOSPITAL,  
 WELLHOUSE LANE,  
 BARNET, HERTS

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £575-£775 plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary. C 266

CENTRAL MIDDLESEX  
 HOSPITAL,  
 PARK ROYAL, N.W.10

Post-graduate Student

A vacancy will occur in the Autumn for this position. Salary £350 p.a. plus London Weighting. Applications are invited giving details of age, education and qualifications, and the names of two referees, to Chief Pharmacist. C 5195

CHELTENHAM GROUP  
 HOSPITAL MANAGEMENT  
 COMMITTEE

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at the Cheltenham General, Eye & Children's Hospital, vacant early August. The salary and conditions of service will be in accordance with the Whitley Council decisions £575 x £30 (5)-£725 x £25 (2)-£775 and subject to the National Health Service (Superannuation) Regulations.

Applications stating age and experience, together with the names of three referees should be sent immediately to the Group Secretary, Cheltenham General, Eye & Children's Hospital, Sandford Road, Cheltenham. C 5214

ENFIELD GROUP HOSPITAL  
 MANAGEMENT COMMITTEE

Senior Pharmacist

required for duties within the Group. Salary scale £575-£775 per annum.

Part-time Pharmacist

required for five sessions per week, for duties within the Group. Salary 31s. per session of four hours.

Apply to the Group Secretary, Enfield Group Hospital Management Committee, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, giving the names and addresses of two referees. C 5219

**184 STRAND, W.C.2**  
 Tel.: TEMple Bar 9212/3 & 6340

**CHERRY KNOWLE HOSPITAL,  
 RYHOPE, nr. SUNDERLAND,  
 co. DURHAM**

Pharmacist

Full-time Chief Pharmacist, Category I, or part-time (sessional rates as Pharmacist-in-sole-charge). Health Service scales and conditions. Active Psychiatric Hospital of 850 beds. Written applications forthwith to the Group Secretary. C 5222

**CONNAUGHT HOSPITAL,  
 WALTHAMSTOW, E.17**

Locum Assistant-in-dispensing

(Apothecaries' Hall Certificate) required July 30, 1956, to August 11, 1956, and September 24, 1956, to September 29, 1956, £9 2s. p.w. if aged 22 or over. Apply Secretary, Forest Group H.M.C., Langthorne Road, E.11. C 5220

**HIGHBURY HOSPITAL,  
 BULWELL, NOTTINGHAM**

Locum Pharmacist

required for holiday duties for periods 18-30 June, 16-28 July, and 4-10 October. Rate of pay £16 16s. per week. Applications in writing to be sent to Group Secretary, General Hospital, Nottingham. C 5182

**HIGHBURY HOSPITAL,  
 BULWELL, NOTTINGHAM**

Assistant-in-Dispensing

required. Salary and conditions of service in accordance with National Agreement, on an inclusive scale £260 at age 20 rising to £465 per annum, plus additional allowance in respect of certain qualifications. Apply to Group Secretary, General Hospital, Nottingham. C 5184

**ILFORD AND BARKING GROUP  
 HOSPITAL MANAGEMENT  
 COMMITTEE**

Assistant Dispenser

Applications are invited for the following holiday locum at King George Hospital, Ilford. (Apothecaries' Hall qualification) July 2 for three weeks. Applications to the Group Secretary.

H. F. HARRIS,  
 Group Secretary,  
 King George Hospital,  
 Ilford.

C 5227

**KINGSTON HOSPITAL,  
 WOLVERTON AVENUE,  
 KINGSTON-ON-THAMES**

Dispensing Assistant

for clerical duties wholly connected with pharmaceutical department. Salary at age 22 and over £355 rising to £465 p.a. plus London Weighting. Apply to Administrative Officer at the above hospital. C 5194

**LAMBETH HOSPITAL,  
 BROOK DRIVE, S.E.11**  
 (Acute General Hospital, 510 beds)

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in a department which is being enlarged with consequent increase in the number of staff. Salary (plus London Weighting) in accordance with Whitley Council scale. Applications stating age, experience, qualifications and names of two referees to the Secretary. C 256

**MEDWAY AND GRAVESEND  
 HOSPITAL MANAGEMENT  
 COMMITTEE,  
 GRAVESEND AND NORTH KENT  
 HOSPITAL**

Locum Pharmacist

required. Two weeks during summer months. Apply to Hospital Secretary. C 5189

**GENERAL HOSPITAL,  
 NOTTINGHAM**

Locum Pharmacist

required for a period of four months, commencing as soon as possible. Salary sixteen guineas weekly. Apply giving full particulars to Group Secretary, General Hospital, Nottingham. C 268

**LAMBETH HOSPITAL**

Locum Pharmacist

required at Lambeth Hospital, Brook Drive, S.E.11, for indefinite period. Salary 15 gns. per week or according to experience. Phone: Chief Pharmacist, Rel. 3804. C 249

**LONDON JEWISH HOSPITAL,  
 STEPNEY GREEN,  
 LONDON, E.1**

Locum Assistant-in-Dispensing

required at the above hospital for two weeks, commencing June 4, 1956. Apply to Chief Pharmacist. (Telephone: Stepney Green 4251.) C 5170

**NEASDEN HOSPITAL,  
 BRENTFIELD ROAD, N.W.10**

Assistant-in-Dispensing

(whole-time) required. Whitley Council salary scale. Apply to Chief Pharmacist. C 5203

**NOTTINGHAM & MIDLAND  
 EYE INFIRMARY**

Locum Pharmacist

required, August 13-28. Salary sixteen guineas weekly. Apply giving full particulars to Group Secretary, Nottingham No. 1 Hospital Management Committee, General Hospital, Nottingham. C 267

**ROCHDALE AND DISTRICT  
 HOSPITAL MANAGEMENT  
 COMMITTEE, BIRCH HILL  
 HOSPITAL AND ROCHDALE  
 INFIRMARY**

Senior Pharmacist

Senior Pharmacist required to work in either of the above general hospitals under the direction of the Chief Pharmacist. Salary in accordance with Whitley Council Scale. Apply at once to Group Secretary, Central Offices, Birch Hill Hospital, Rochdale. C 5176

**ROYAL EAST SUSSEX HOSPITAL,  
 HASTINGS**

Locum Dispenser

from September 10-15. Salary scale £335-£485 p.a. Apply to Administrator. C 5221

**ROYAL INFIRMARY,  
 SUNDERLAND**

Pharmacist

required for the Royal Infirmary with service at the Children's Hospital; salary £500 x £25 (3)-£575 x £30 (5)-£725, if aged 23 or over; Whitley Council conditions.

Apply immediately, naming two referees, to the Hospital Secretary, Royal Infirmary, Sunderland. C 5206

**ST. ALBANS CITY HOSPITAL,  
 NORMANDY ROAD,  
 ST. ALBANS, HERTS  
 (General—384 beds)**

Senior Pharmacist (Category III)

Applications are invited for the post of Senior Pharmacist vacant early June at the above hospital within easy reach of central London. The hospital covers a wide range of work with a busy and up-to-date sterilising department. Salary and conditions according to Whitley Council. Applications stating age, qualifications and experience to the Chief Pharmacist. C 5181

**Appointments—Continued****SHREWSBURY HOSPITAL GROUP****ROYAL SALOP INFIRMARY**

Salary in accordance with Whitley Council Scales. Applications to undersigned.

J. P. MALLETT,  
Group Secretary  
C 5226

**ST. ALBANS CITY HOSPITAL,  
NORMANDY ROAD,****ST. ALBANS, HERTS  
(General, 384 Beds)**

Locum Tenens Pharmacist

required immediately for an indefinite period at the above Hospital within easy reach of London. Salary £15 15s. per week. Applications stating age, qualifications and experience to Chief Pharmacist. C 5183

**STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE**

Pharmacist

required at Ashford Hospital, Ashford, Middlesex, on salary scale £500-£725 per annum, plus London Weighting. Post now vacant. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 262

**STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE**

Locum Pharmacist

required at Ashford Hospital, Ashford, Middlesex. Salary 16 gns. per week. Applications, stating age, qualifications and experience with copies of up to three recent testimonials to Medical Director of Hospital immediately. C 260

**ST. ALFEGE'S HOSPITAL,  
GREENWICH, S.E.10**

Locum Pharmacist

(long- or short-term) required. Salary 16-17 guineas weekly according to experience. Apply Chief Pharmacist at hospital (Tel.: Gre 2655). C 5200

**ST. ALFEGE'S HOSPITAL,  
GREENWICH, S.E.10**

(Category IV)

(a) Deputy Chief Pharmacist

(b) Senior Pharmacist

Applications are invited for the posts of (a) Deputy Chief Pharmacist, salary £655—£880 p.a.; (b) Senior Pharmacist, salary £605—£805 p.a., in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist, Whitley Council conditions. Applications to Acting Secretary, G. & D.H.M.C., at above hospital. C 5201

**ST. GEORGE'S HOSPITAL,  
HYDE PARK CORNER,  
LONDON, S.W.1**

Pharmacist

required for this teaching Hospital. Salary in accordance with Whitley Council scale. Applications to Chief Pharmacist. C 5204

**ST. GEORGE'S HOSPITAL,  
HYDE PARK CORNER,  
LONDON, S.W.1**

Senior Pharmacist, Male

To take charge of galenical laboratory and do one evening dispensing duty a week. Salary in accordance with Whitley Council scale. Apply in writing to Chief Pharmacist. C 5188

**ST. THOMAS ELGIN HOSPITAL,  
ST. THOMAS, ONTARIO**

Pharmacist

wanted (male or female), GRADUATE PHARMACIST for dispensary of General Hospital (285 beds, 61 bassinettes); must be in good standing Pharmaceutical Society of Great Britain. Work as assistant Pharmacist. Apply Personnel Officer. C 5166

**WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE,  
STRATFORD, LONDON, E.15**

Chief Pharmacist

required at Queen Mary's Hospital for the East End (Category IV) to commence June 25, 1956. Whitley Council conditions and salary within range £785 to £1,100 p.a., plus London Weighting. Applications with full particulars and names of three referees to Group Secretary by June 6. C 5187

**SUNDERLAND AREA HOSPITAL MANAGEMENT COMMITTEE**

Locum Pharmacist

required immediately to cover holiday duties for four months or shorter period. Salary 16 guineas per week. Apply in writing to the Group Secretary, General Hospital, Sunderland. C 5207

**THE BETHLEM ROYAL HOSPITAL AND THE MAUDSLEY HOSPITAL**

(Post-graduate Teaching Hospital for mental and nervous disorders, with which is associated the Institute of Psychiatry, University of London).

Senior Pharmacist and Pharmacist required at the Maudsley Hospital, Whitley Council salary scales, for the senior grade £575 rising to £775 a year, and for the other grade, £500 rising to £725 a year, plus in each case London Weighting according to age, from £10 to £30 a year. The point of entry into the scales of pay will be determined by length of previous service. Extra payment of £25 for higher qualification. For form of application refer to K. J. Johnson, House Governor and Secretary, Maudsley Hospital, Denmark Hill, London, S.E.5. C 5180

**THE LONDON HOSPITAL,  
WHITECHAPEL, E.1**

Locum Pharmacist

required until September 30. Salary 15 or 16 guineas weekly according to experience. Apply to Secretary. C 270

**THE ROYAL FREE HOSPITAL,  
GRAY'S INN ROAD, W.C.1**

Applications are invited from graduates in pharmacy who desire to undergo the statutory period of practical training in hospital pharmacy. Salary £350 per annum plus London Weighting. Applications, together with names of two referees, should be sent to the Group Chief Pharmacist. C 5143

**WEST PARK HOSPITAL,  
EPSOM, SURREY**

Assistant-in-Dispensing

with Apothecaries' Hall Certificate required. Salary and conditions of service in accordance with N.H.S. regulations and Whitley Council agreements.

Applications with full particulars and names of two referees to the Physician Superintendent as soon as possible. C 5159

**WILLESBOROUGH HOSPITAL,  
NEAR ASHFORD, KENT**

Assistant-in-Dispensing

(Apothecaries' Hall Certificate) Locum Tenens required for periods 2-14 July and 6-18 August, 1956. Salary in accordance with National Scale. Applications to the Hospital Secretary. C 5202

**SITUATIONS VACANT**

12/- for 36 words (min.) then 4d. per word.

Box 2/-

**RETAIL (HOME)**

**£1,000 PER YEAR.** Hampshire. Manager required. Modern shop. Excellent accommodation available, every convenience. Full particulars in confidence to Box C 3648.

**ANNFIELD PLAIN CO-OPERATIVE SOCIETY, LTD.** Wanted. Pharmacist (male or female) to manage branch shop at Framwellgate Moor, Durham. N.U.C.O. scale of wages. Present scale £17 12s. 6d. weekly. Modern shop. Saturday half-day. Applications, stating age and experience to be sent to the General Manager, Annfield Plain Co-operative Society, Ltd., P.O. Box No. 2, Front Street, Annfield Plain, Stanley, County Durham. C 3715

**BATTERSEA.** Branch manager pharmacist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to earn substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3709.

**BEDFORDSHIRE.** Manager required by small private company for branch pharmacy. House with garden available away from business. Permanency, with good prospects. Full particulars in first letter, with suggested time for interview to Philadelphus Jeyes & Co., Ltd., The Drapery, Northampton. C 3688

**DISPENSER,** lady, required for easily worked pharmacy. Good hours. Please give all details of age, previous experience, etc., to Arnold M. Gee, Ltd., 70 Herbert Road, Plumstead, S.E.18. C 3694

**DONCASTER CO-OPERATIVE CHEMISTS, LTD.**, require the services of pharmacist (male or female) as branch manager, 44-hour week; minimum annual salary £840; bonus, increments for sales increases. Rota duties are additional payments. Applications with usual particulars to Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 263

**COSMETIC,** lady, required for good-class pharmacy. Must be used to all main agency lines. Able to control stock and work with other staff. Good saleswoman and pleasant personality essential. Help given in finding accommodation and holidays this year. Full details of age, previous experience, salary required, to Wilfrid E. Dale, Ltd., 27 Market Place, Andover, Hants. C 3693

**HIGHGATE, N.6.** Experienced assistant, lady preferred, for counter display, stock, etc. Some dispensing knowledge helpful but not essential. Good-class residential district on edge of Hampstead Heath. Apply Box C 3662.

**LADY PHARMACIST** (or Post-graduate Student) for dispensing in a pleasant and well-equipped pharmacy where the professional work is of primary importance. The staff includes two other pharmacists. Hours 9 a.m. to 5.30 p.m. Three weeks' leave per annum. Good salary. W. Rouse, M.P.S., Pharmaceutical Chemist, 34 High Street, Aylesbury, Bucks. C 3695

**LIVERPOOL.** Qualified manager required for pharmacy on large housing estate, permanent position. Salary £832 per annum for a 44-hour week. Full staff, which includes a dispenser. Apply by letter to Metcalfe & Co. (Liverpool), Ltd., 596 Prescot Road, Old Swan, Liverpool, 13. C 3676

**LONDON, W.C.1.** Young lady required as junior counter assistant, with or without previous experience; Saturday half-day. Excellent experience to be gained, particularly in cosmetics. Apply to Box C 5223.

**MANAGER WANTED** for busy photographic department. Must have good all-round experience cine, colour, etc. Salary and commission. Durbins, 12 Broadway, Wimbledon, S.W.19. C 3705

**MIDLAND AREA.** Senior stocktaker required. Must have had several years' experience in pharmacy. Substantial wages. All expenses paid. Permanency. Apply Box C 259.

**NORTH LONDON.** Unqualified assistants required with dispensing experience for vacancies situated in North London. Salary according to age and experience. Permanent positions. Three weeks' holiday a year. Hours 9 a.m.—6 p.m. Thursday 1 p.m. Apply to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916. C 3710

**POTTERS BAR.** Pharmacy manager required to manage a good-class establishment in this area. Splendid opportunity for promotion. There is a good supporting staff and development is assured. Flat accommodation can be provided if desired. Apply with full details stating when available for interview to Box C 3710.

**QUALIFIED OR EXPERIENCED LADY DISPENSER-BOOKKEEPER** required immediately. Semi-rural practice. Furnished accommodation available. Salary by arrangement. Apply Dr. Maurice Lee, Danbury, nr. Chelmsford. C 3699

**SUPERINTENDENT CHEMIST** required. Salary £858 plus half yearly bonus. Working class district, W., would suit middle-aged gentleman. Write Box C 3631.

**SOUTHAMPTON.** Pharmacist required to manage branch pharmacy. Good family business, three junior assistants. Progressive position to the right applicant. Situation pensionable. Apply by letter giving all the usual particulars to: W. Bates & Co., Ltd., 25 Oxford Street, Southampton. C 3717

**THAMES VALLEY.** Assistant pharmacist or pharmacist manager required for congenial business in pleasant middle-class area. Flat available. Mutual consideration given and expected, good financial reward. Full particulars from S. G. Stevenson, at 21 River Mount, Walton-on-Thames, Surrey. C 3706

**WANTED IMMEDIATELY.** Good counter hand, male, for busy City pharmacy. Half-day Saturday. Apply R. Howden, Ltd., 11 Fen-church Street, London, Phone: Man 7065. C 3705

**WALES,** mainly south. Competent stocktake required with personality. Apply Orridge & Co., 184 Strand, London, W.C.2. C 25:

**RETAIL (OVERSEAS)**

**QUALIFIED CHEMIST** required to manage old-established English pharmacy in Hong Kong. Furnished accommodation. Superannuation scheme. Free passage. Good prospect. Apply A. S. Watson & Co., Ltd., 64 Crutched Friars, London, E.C.3. C 519

**MEDICAL REPRESENTATIVES**

Applications invited from Pharmacists or men with good background for the posts of medical representative for (1) Newcastle-upon-Tyne and (2) N.E. Met. and East Anglia R.H.A. Remuneration by salary according to age and experience. Pension Fund and three weeks' vacation. Car, expenses and lunches provided.

Reply to Manager, Duncan, Flockhart & Co., Ltd., Holyrood Road, Edinburgh.

C 5177

**Situations Vacant—Continued****LOCUMS WANTED**

**NFIELD AND DISTRICT.** Substantial firm requires qualified locum covering the following period: July 2 to August 18. Substantial salary, all expenses. Normal business hours. Capable staff employed. Urgency. Please contact Orridge & Co., Employment Agency, 184 Strand, W.C.2. C 5209

**LOCUM DISPENSER RECEPTIONIST** required, Hall certificate. Drs. Pigott, Harlow and Darlethorpe, Linden Avenue, Kettering. C 3689

**HARMACIST** required, about the end of June, to manage fully-staffed pharmacies in the London area for two to three months, salary and expenses allowed. Please give all details of age, previous experience, etc., and when available for interview to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, S.W.19. C 3692

**WHOLESALE**

**ALLIED LABORATORIES, LTD.** Additional medical representatives required to develop existing connection in the belt from Buckingham to Essex. Men with energy, a sound pharmaceutical background and resident in the area are invited to apply for these permanent and progressive positions. Remuneration by salary, expenses and commission, with pension scheme available. Car ownership necessary. Write giving full details of career to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, W.1. C 5212

**ASSISTANT WAREHOUSE MANAGER**, age 25-35, required by E. Moss, Ltd., Feltham, Middlesex. Duties would be to assist present manager and would cover all fields of warehouse organisation including buying, stock control and staff management. This position which is with progressive firm offers unique prospects to keen man possessing initiative with ability to accept and hold responsibility. The position which would be pensionable would carry with it a good commencing salary with regular increments as greater responsibility was assumed. Applicants who must have had previous experience of drug trade either retail or wholesale should submit full details of such experience stating age, height and other usual particulars to H. G. Moss, E. Moss, Ltd., Fern Grove, Feltham, Middlesex. C 3708

**A VACANCY EXISTS** for a qualified chemicals buyer in a manufacturing company which is part of a large organisation. A knowledge of drugs and organic intermediates will be an advantage but a young man with the right background will be considered. An excellent salary is offered to the right applicant for the post which is pensionable and there are opportunities for a most attractive career. Send full details of age and experience to Box C 5179,

**OR A NEWLY CREATED POST,** a Pharmacist is required aged 30/40. This post is concerned with the development of new pharmaceutical and allied products, and applicants should have had experience in this field. Responsibilities would cover development, packing, customer contact and liaison between laboratories and factory. Replies giving full details, location, qualifications, experience and age to Product Director, Ethicon Suture Laboratories, Ltd., Bankhead Avenue, Edinburgh, 11. C 5191

2½d STOCKING (except Black)	..	20/- gross
4d. COLD WATER, CURTAIN and Black Stocking Dyes	..	32/- gross
Order Dyes and Shade Cards from our Agents Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds N. Ireland: T. M. Mullan & Co., Ltd., 42 Victoria Street, Belfast. Eire: May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6		

**H. E. DANIEL, LTD.**, St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties. Experience desirable. Salary, commission, superannuation and car provided. Apply in confidence, with full details to the Managing Director. C 261

**INNOXA (ENGLAND), LTD.**, invite applications for the appointment as representative for the Suburban London area. Detailed applications should be sent to Sales Manager, 1 Eden Street, Hampstead Road, London, N.W.1.

**MEDICAL REPRESENTATIVE** required to call on doctors in South London and parts of Kent and Surrey. Experience in this territory essential. Write in first instance detailing experience, availability, salary required, etc., to Managing Director, C. J. Hewlett & Son, Ltd., King George's Avenue, Watford, Herts, C 5218

**MEDICAL REPRESENTATIVES** required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264.

**MEDICAL REPRESENTATIVE**  
An opportunity occurs for a keen and competent person to join a well-known progressive ethical house to take over and develop an established connection in the Glasgow area. A pharmaceutical qualification is not necessary but a good technical background and residence in or near Glasgow are essential. No age limit. Remuneration by salary, expenses and commission, and the position is a permanent and pensionable one. Apply in full confidence, giving brief particulars of career to date, to Sales Manager, Box C 5213.

**MEDICAL REPRESENTATIVE**, based in the Belfast area, required for Counties Antrim, Armagh and Down, by a leading pharmaceutical house. Duties are interesting, carrying out effective medical propaganda and selling to chemists and hospitals a selected range of ethical preparations. Applicants must be Members of the Pharmaceutical Society (Belfast trained), with public or grammar school educations, of pleasing appearance, and preferably with good sales records. A progressive salary with a generous expense allowance is offered and prospects are excellent for a man with ability. Provision is made for a company car and a non-contributory pension scheme is in operation. Apply in writing in the first instance enclosing a recent photograph, to the Sales Manager, John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1. C 5216

**MENLEY & JAMES, LTD.**, invite applications for positions in their research and development department from pharmacists who are interested in a career on the technical side of pharmacy. Applications are especially sought from persons who will qualify at the end of this session or who will be released from H.M. Forces in the near future. Successful candidates will become experienced in formulation work and the scaling-up of pharmaceutical processes. Good progressive salaries will be paid and an attractive pension scheme is in operation. Apply to the Senior Development Chemist, Research & Development Department, Menley & James, Ltd., Coldharbour Lane, London, S.E.5. C 5211

**NORTH-WEST LONDON** manufacturing chemist requires a man to assist in the manufacture and dispensing of drugs and galenicals. Five-day week. Salary according to ability and experience. Phone: Elgar 5424. C 3712

**OPPORTUNITIES** occur for pharmacists, aged 21-25, in the pharmaceutical division of a well-known firm of chemical manufacturers near London. The engagement is on the manufacturing and packaging of ethical products with opportunity for experiment in production and control methods. Salary according to qualifications and experience, with prospects of advancement. Apply initially in writing to Box C 5199.

**PHARMACIST** required by old-established manufacturing chemists in London, for production of toilet and pharmaceutical preparations. Salary will be commensurate with experience and ability. Applications stating age, qualifications, experience and salary expected to Box C 3713.

**PROGRESSIVE** and expanding firm of manufacturing chemists require chief chemist for their South Manchester factory. The successful candidate will be one who can apply a good academic background, practical experience and lively mind to a wide field of subjects including oils, waxes, soaps, resins and plastics. This is a senior position and will be paid accordingly. Give age, qualifications, and full details to Managing Director, Box C 5199.

**REPRESENTATIVE**, 25/35 required for established territory South Wales. Suit man having some connection in Cardiff area, or having done medical propaganda. This is a responsible post carrying an attractive remuneration, with good basic salary, commission and full expenses. Car provided. Apply with full details, Box C 3700.

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C9719

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C 4

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**GERMAN PHARMACIST,** aged 30, wishes to work as assistant for three months (June-September) to gain experience in a British pharmacy in exchange for free board and lodgings. No salary required. Apply Box C 3702.

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C9719

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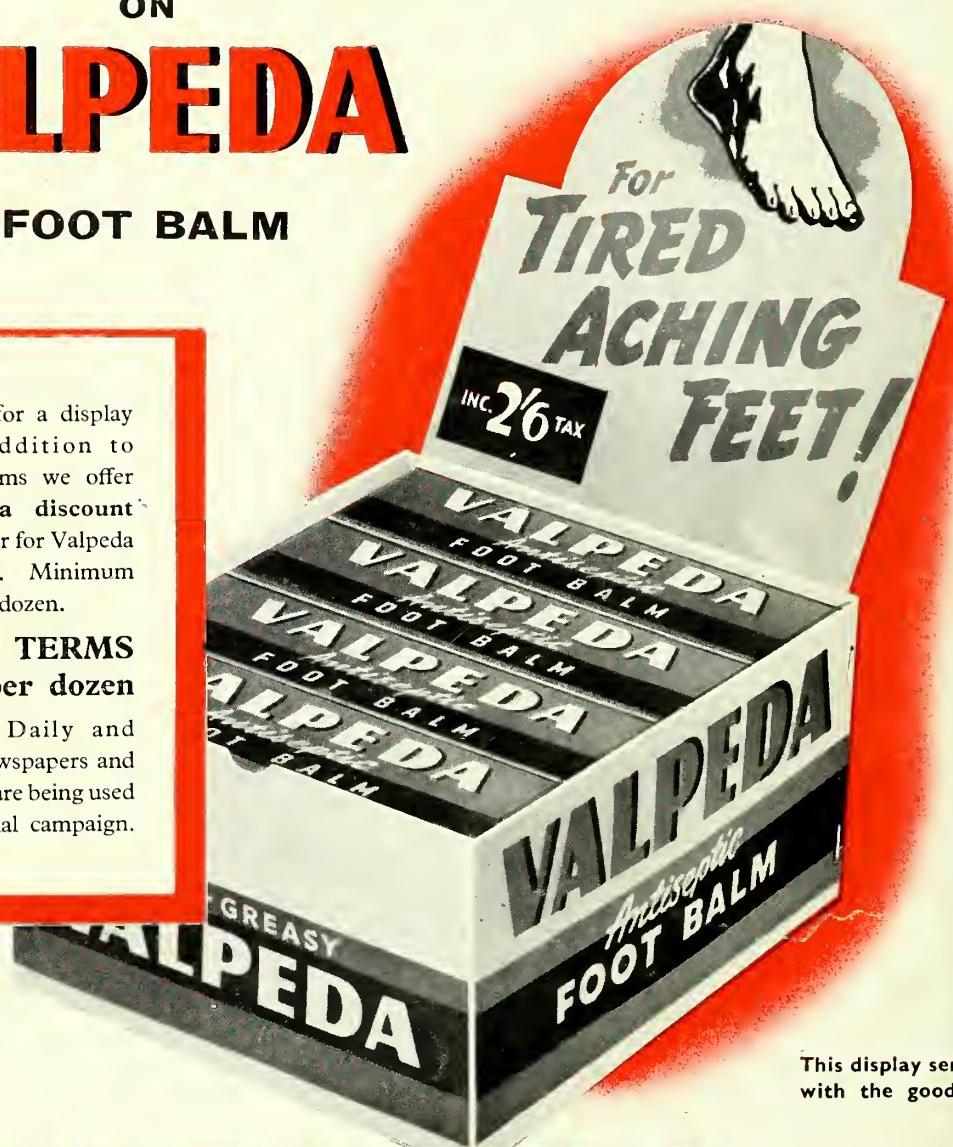
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